

Alibert & Fenae at chilen Julitel 4 h the immediate musical of the

an Essay on for the Degree of Doctor of Medicine in the Uneversity of Pensylvania of the city of Nonpollo & state of Vinginia Philadelphia - - 185 The above is the form of the title paper of The their, It must be written on thesis paper

It Gilson is of opinion that an operation should never be performed for a molignout tumour of the parties glow Lecause it is impossible to rename the gland enterally of the deseases returns & progresses with greater repetity than Ane, generally causing the death of the fatient in a short time whereas without the operation he might have line many years. Many cares have been aforter of success ful peralins, they have been affairently successful at first but the disease has always returned I in most cases terminals fatally is a startime. He is dupported in this openion by Lis A Corper, eler Carmichael of Dublin, Ir Sant. Cooper Rov. Sistem, I'r ellott of or york I'm war of Boston, They have all attempted the removal four tumour but without Success Where the englobate gland only is affected & this is not medge into all the creviews of the cranium the spenation will generally be successful. The Saw Mr Isha Bell about thirty years ugo commence an operation for a termour of this kind as a gong man in Toutungh, as som as he perceived the nature of the tremour is closed the wounds Latural her blet so me medile with it I faleous is now living. I'd met her in Eductorigh. Of the mour has been removed the patient would portably have died. trolly after to England a child that had been completely comed Grotafrus ofthe tingue without an operation. The plan pursued by to the mutt by compression. He keps the month chies

by means faspring which forces on the hear & whether chin o the a serce which the spring was shorten & the month more tightly closed as the trugue decreased usize Itwas as first necessary to keep the longue is by means of a + although I pilone insist that the partie count to remove I an operation, get many durines an Philadelphia day that is can. It Randolph interpats the gland a The presence of Do How her Ir Inhaston & others, It Homer das that the whole was remme, It huston was of the same opinion. Title Lellane Jago that he has during down in effecting I removal sever times, & Gilson has former his finin from enforments on Jenetate Horigas presents, the entyring the count to aforato; Adviend yland does not freunt the same deficulties, for yes enerous a size & weight the boring forceposer drown out & Hoferales is the gradly facilitation, 220223 1 march 17, 1964

The enerto forces of powers a defendant of matter up who title Themomena defend, action for malter & fording the phermanyers in the phenomen of electively de deflaper It Justen ofmalter All your buys originat in an ovien or eggs both regulated transmel, egg comments of mulitum meter for, suit an erreligh of mendlow for i-Jac antan it & or the is a social her a Germanal spot, The female extend and with orain when fremter as trent The Na (Nun - Misac, grander & germinal reser with a grown a spok, Then in the ovarcum is cottened in anthromosely the over for fever dates has ortally - the vetale All so them I ar regarder omerles do conteste for tous an individual or How the few the fine in apple to

Notes on Dr Jackson's lectures delivered; during define 1839 - 40 defee is a succession of changes, affecting The phenomena of life are devided into two classes 1st That which and wither us & the mentel phenomena which are peculiar to animals as sensibility emscionesses & volition, 20 The phenomena of vegelation life common to regulables & animals, The brain is the centre of the neiver Agstern, The kis a unit & there are two opheres
I life Rendibilety is the centre of animal life This exceles conscious ness which calls into play is the centre of animal life & contains the materials blended as in the skin & nevers the senses being independent of volution there uceina infrestions & excite Rensibilities which excite conserous " Kor on : musales also act and few dently of volition as those of the stomach those encerned in arspiration & Wollton comes into play in supplying alements forthe dupport of aregotable life & ejecting the secretions, In the brain & nerves, heart & assels are der the two ofhers flips

The phenomena of organical matter are divided uto B classes, the Phen of enorgan: matter, The Then of organic matter & the Payerloque Phin. Some have Supposed that organic & metter were originally created distinct & that organic matter is always from the organice matter as animals from regetables, The two ofheres of arrival & regetable life truck at their durfaces as in the wase of spong cana which are by some conder. our as agelable of others as animals, doct yard & organice matter we must consider for Chem comp: 2' organic form 3' organic nature 4th organic state. On animal matter them are 4 essent elements with several adventitions in regalable matter out lep than 3 essent. The tending of organic bolies to deemposition is the exect of their leveral elements nor being neutralized, they all hoving has originally agaseous form have a tend eney to wassum. it. Inorganic matter the elements analways netetraliza another striking defference between erjanic & inorganice molter is this. The natural state of inorganic bidis is a state, their potecles are at ust until deem position commences

Organie bodies are necessaril, a a state of motion a state past I ceing destructive of the organice life, exproductive of de emposition. Lecture 2" Hanv physiologists coiled in their attempts to analyse the different texters because they made their experiments on the organs of man. Man being a combination of the Sconple or gans as enhibited in the lower animals We should confinence by orp; in there I We should study organice matter as regards 1. The chemical properties D. Its varying conditions 3: The different States in which it exists It Primitive from 5" organic nature, as allows 1. 6th Organized from which it assumed in forming a tipus Vegetable exements consist of of three exsent elements as before States, animal of hever lef than four, say gow, by dro gon, carl on & ayote, we find the elements in some teffered. l. g. The brain of the phospherus. The phosphorous however contae deems under dome feculiar x modified form for if you expose the tipe to hear a phosphorous crust is whit greents farther change & asthough you expose the it to go cuter healt than is necessary to egute phosph: it will not been At henical decomposition is accepany is order the bring the

toven is a fer fut onesting. As purtous town forester the heart the mother acts as a stemely underwhich & & commences to votal frenches approfinate to the working granulas. The germinal spot bemes areside which reflect G lineneares, It the fifth log from contin, theyellan be beem so apoque that the besule a concealed I the sent Day the vesule beening approved is seen to consider of four cellules, a the series Hen menting everen, & this escent goes on ente the number as sufferent formamula or tipues the tipues and but for organs. will the yalk to form the result to she of a the certain of the other & The germine office. the central resides but coiles the ander The resulte sens 8 The genfort our a the agest tourfour of verile of the infigureto return the central Am what form from this metion. In the cong of the lamous The loutry " a spore course, when we look at an arunal hely develop we may to dupor with Porteto alla

This phones to its natural State, the great emilier the vary hig conditions of organic matter: they are 1 st torganiza they brough are binary & Muturo elements, as I mutually neglially ble matter, Sucho as albremen, the Vitallus or Malk heme orchyle there is no tend oney I desconfintion, this dark regul an egg, which is detted for organization, 2? Organization matter, in this state it emplitudes to fee duch as the nervous mescular be 3 morganizable months matter Ruch as musically soften hatural flavorations of the soften about the soften of morganizable abonormal matter from the defended by organs in a disease, that duch as the tubercles, deposited as the length of the secundation of encapable of organic functions of his accumulation to the bital hystem we cannot act who it has no relation to the bital hystem we cannot act who it deemporting, here to the bital hystem we cannot act who it deemporting, here the property was a secundary, here the bital hystem we cannot act who it to as thing about its removal. It remains a cause of irritatim & is destructed of life, an ind fundent organization of it more iller his discourse a multiplies for the owner which is applied of the fine We now proceed to consider the different stated in which organic maller exists: These states are two organ viz Soled & oflind; in the latter State it is a soled dissolved in water, which has the peculiar property of holding Roleds in Solution without destroying their froherties, whatever may be the nature of This toled. as the acts of life are multilise & formation the soled & fluid states are necessary to the functions of in organic body. The solid not only gives from to the organie body, but it contains the fluido & distributes it to

I once ortality as the effect of organization, but If we or one to seemed wit weeful stage we much ach aganzation to vitalifices, hthe fromtof the defline seem that the ownthe aforas ways In the nather itself. Then the flood is ford of the youth extern the gow, directale withamiles from the offenther afrally enter they an til There dordents aforest work for the order 2 action The action of prespice and de on the commy from A culture Hartal for which may him anouteles worthole the alesnawn to of the afres There is in Mergenter the been a miller of whoten to dioleaning between botentistens? A file fres of the anatomical lideres! in between functual angaren dream, Bot Unit spoffin muly hat A auctionalin then the a healthy ten my & halth or don'the treme the come of a celestan Maple & with the Farmany of the solet free -The fut rest contain of will in the fine Tomeration what present the few mine I to cart oyan his a tope after all white

The different parts of the body. The fleeds contain the elements of who the doleds are formed. The fluidg is the elements of tipe & every solid must be formed from it as the diecepine acts of life consist in emposition & decomposition, every tipue must be formed of a solid & fluid the flied being as much a part of the organ as the flow metern & thence disorganization. If there is a deficiency of fluid induration is brought on front of the form of fluid induration is brought on front of the form 4th dir ising relates to the primitive form, dach fortreular usualles from constant en des spicies has a porticolar rudimentary from The aphere is the most simple from of lantagaism Proliginus membrane when examined through missosespe prisents chelingen the rancifications of its results menute gglobules emiled by alghetenous or plastic matter this matter is the base of all organic Smelines: it also beiter divided fants) The Ottellers of an egg presents the form of numerous maller Spherules, floating in (albuminus) fluid; organizable. always presents this form. Coagulable lymph for instance entains small Spherules, the tend thousandth of an inch but not for artical in deameter. These are also forested in senous blood, Rupposes that these offsherules which are found in coagalable lymph & vennes blood

or der lope o which is a tipreserior. morphicas frame deviations for there tipes a organic decens -My 3° alif of destruction & milifie warter La forther acceptantin contin which tends autre the outeral states of the francis was the funtion. therefor a great wanter of dheaver their getwee but prolly the power by life on so Afrapas that return is not suffered to long down heaten & artificial and i required -The excep or deficiency may be either general or local Vital principle or organice force only manifestor by the phenomena of organic bratter, as all the forces away known of the changes which they promise Offenezation & life exercist, organizations the memberlies A life, the are energen planetimes or and and the Is fut he freathings spirit forth I dermenterisin we are immediate from faithing

the origin of the red globules of the blood, that they are carried into the lengs & undergo a change during acration. Plants gresens the Jame fremmena, the 9 green fecula of the mort asser, the resilles when huptines desclose a fluid containing elementary aphenules. The fecuridating from ber (poller) of the march mallow fresent The Same oppearances, The primition form which organizable matter assumed is always globuly This form (is produced (mathematically demonstrated) loy the autagarism of an internal free & an enternal

Nov. 18th 1839

Pathologists have at different times fallen into two errors for approsete nature, Afleridists attributing all diseases to the fluids, on the supposition that the vital principle rededed in them: the dolidists on the contrary supposed that the deserve was attribulable only to the toleds; whereas book are concerned. The fluids cause disease in three ways. It by excess 2 deficiency 3° Vitiation of the fluid.)

The diagram represents the appearance of I an embry o composed of vesicles in an albuminas fluid. the light apretenting the point at which wetal action

is communicated by the mother: a movement commences among

the phenomena of life very a different organice this littles on pleasopped a comme was formating orcilis In the frentil dehouseles of the retition of the Whole created, Unity of the undereduced is the termenting gas of all fate Then men . The fearth now a thing fall & thought fall is that sail again, the for and mobile, topue is the The fall The vital franciple from tremmen laterthe just as outer ic, certain amortins folder being front the be forful quesum heller the offer enteties he all their the the whater of phermone of life & action commences, he the tal principle remain Colut in seed into for your, eng the with them for the him of thomas mies of Miles hur grammets, Shuthmaninals which may be high my of junes of as ever is any furtion and tophenmonard intiger commence, Eggs Offen another example of talends in the george Dury Mountain and & left a completion to from Doyall begetobles - Imdividuels have also been Krain to remain Im days without in Walter, my Reportofe saftennot remain framples pulled Sou Whit, I also at me tim slight stemuli

the vesules & they then asseemed the following from Then a cloudder formed fig thinking has disappeared, the germinal result is in the annexed figure after This A commission to hears of lying & put on the from the form This dolection plastic matter is in arbeition in the seriem & exists in the bloodressels fall animals, by which it is distributed to the different parts of the birdy it passes by exosmosis thing the coats of the capellaries & this nutrition takes place, Duliasing inflammation the plastic matter is thrown out but being in a morbid state it renains flied - Jud: & this Suffuration blood bus larger & erlow less. The place matter is diffused Va membrane is formed by which sever furfaces and united Schirises, tuberele vo are modifications of plastic matter I appear resemble organized tapsaces matter. Rospail accounts for the domation of organic in the following way " an atom of water unites with an atom of carbon (thus it is compand of caston, oxygen & hydrogen) & forms a resiele, having Reproperties of endosmosis & exosmosis, at absorbing those elemony which are dectable & rejecting the rest. In the formation of wegetate malter as wood, a soled base is taken in as potassa. When a

produce proceepel Aprils, at the the most proceeped Minulants a few firthy woulden What what fries When when that a common phenomen es or hotely defor I theres formations let fore wint without printer, this are Intert Dreen Rhe comanilos In thirtite frinighte they are utintily counterts will Who so conquell tend what forms, There is usun Fruit emfusion a Home of the tone onlite person, which are In the leaves how be sefounds, The free white? Horamons Sylles while him consider within is function the what Jones, The James & French physiologich mentam that a more often a mucha, the a It has been objected that a the time amorales you feel in the les geletime byty in whitze carnot time any the It heres then says that his there but the is my an hightheres, With saving inthony who never cloud on hi detectes in the operation worth. Dutrished to later Int first find to delet defection of I think the for a how since have ripoles of free after With the physical who that a more system is whether the to life we much against it punche in the german hours. Am how atily forestis this

volatele base is absorbed (ammonia) animal matter is forduced. Thus ammina being comprete of netrogen & hydrogen we have the animal beaches formed of bry gen, hydrogen nitrogen & carbon, Many animals subfist on regetable good x it is supposed that the regetable matter vesiles are changed into animal by the absorption of netro gen. Each vesule consists of similar, his smaller vesules: for instance a glabele of blood may be divided into many Smaller globules. The vital four or causing these resules to shoot out in different directions may give rise to every possible forms and thus the whole formation of the whole dystem may be reduced to this primitive action of the visites. There visites have the power of retaining or rejecting certain elements xby this power form different tisteres The spidermis is corned of flattened resicles with a nucleus in them in dedacte this nucleus and orgoes a hauge. Herman & Others have shown that the first change which takes place, in resease is in these capillary Ocssels which become Concore & there excedes from them a plastic matter in a morbid or sennatural state. The Germans have ascertain ed the sames results with our any knowledge of Keeman's experiments, thus confirming them He must now empeder the 5th Devision viz the particular

He shall show you That the forces which have to This empoin are all functional forces on The cotar plants can conselected in happy with bellets the Af A to just a derect you like manner. her much diff up the cellules whether by the arrest of the position of the possibilities mostleti, A Afatoner of tenfanten, a high firely arest, to reverleton with it bears as centions the Assergery The intoments of the frust need the certile system duty at their its determ While the entimal consellates for the metator of the as flut strong Min the aller, is much, entrement to a fraintenting in all the drages a delicate between The vital pringle or organis force, & the vitel forces while for substituy. The a surface annual femblet, mobility one subility forme is south Just the contemes also a they there duliday free. The Mod leong. The presentation is

nature of organic matter. The three principles generally actuned sensine albumen appear the the original matter from the hich the others are formed it is the principal emponent of the vitelles of an egg of blood, it oust in chyle & lymph. There appears to be a slight difference believe the albument of the egg & the Serem of the blood or avallamen & Seralbumen. The white of egg is albunew desgin water! when liquid There is always an alkali present if the alkali be multralized or in any way deparated from the albumen the latter will be coagulated. Albumen unites with acids & alkalies. it unites with acids as a base egarth mitne acid forming mitrate of Albumen, it unles with alkalies as an acidy forming albumenate oforta Le Albrumes is precepitates from its solution light a cetate of lead & corrosive dublemate , hence og: the latter being de composer a principitates eggs are a good antiste for it mostly at the negative pole asportive fole it presents plobales usentling the globales of blood (a singular fout) Fibring resembles albumen in its emporition wis filse a the congular of the blood. Lought a in lysuph

Athe date of an organice force Thatil frenction ar sensbly organic or what commend & animal with some morarely & synerhigh adequations Sousibility is I will presetion to which an impulsion is consequent the nervous centres of their made known I may be deranger without disturbeance of The ortal from ciple. I knew I lady apparently in perfect health, all the function went on profetly energh thenditilly which him der of and the offered inconventing frame Typingy is the frenchem through wheat the Defferent you of an appointus or system be enobled townshim harming without which their offer encount he fight D. At I ame haben considered the dam as eight fully him mer adistention for while Synergy is necessary to dealth Sympethy is all manifester in deseased & between organ Sofut a harlt seen & har little connections -Inch Some time ago with a striking care of sympothy -Ourscalled bree a lary who suffered with enomenting from a the head sents not obtain relief a romanner. No being able to detect man using the open spreament on how examination of the time because the was ungling of antiffectioned the signe has

after is has passed the mesenteric ganglia from which it appears that albumen is converted into film in The lymphatic ganglea If blood be beats recently drawn from the view of a dog be beaten up until the getrine is deparated & then returned to the view, it will produce Typhous fever if it he not be repeated for three or four days the animal will recover this is a singular fact as it is known that in Typhus fever blood drawn from the patient will not excess coaquelate though kept for a long time This Thous that the presence of Jelsin in the bood is necessary forthe maintenance of health Does Jelin exist in toletin inthe blood orner ? It over as fined by the following fals. If early potasson be a 200 The blood, it does smorted eately conquelate: the colouring matter lettles to the bottom & after a whole. the febrain forms a crust on the durface. If forgis blood be delutes with a solution of dugar thenfiltered, the globules & colour ing matter remained or thefilter & a clear liquid passes through in which ofter a short time filaments of Jelie appear. This shows that the februir is dissolved in the seneme, Febria unites with acids valkalies in

lafour, & on raising the is when about me inch the fair immediately cecher, when thereterns was de form testural to the abnormal setution the fairs recured wall at person entire It. Introduced appara & perfect relief on afforder he the evening down sent for again, but therey fatigues a the weath hing An drequette to Gentand trists the fatiness He from I that the perpany has sliffed for the Josetia with areten of the pain; he reflected of the lady continued from Diseases be the protestive offortes of the vital fore for unine to the day ounless they the impurper of houseness agents oums Heorge the ceriming - Kearlines lare breek as Alamonations of Appearant or fivers - me settly reaction produces inflammation, a sent offertal Heren fluid fleur of the boy produces cachening Life as a duccipin of phenomena. At a byenney on the & ale, it commen with the from to of expens - com with the Destrolen, Governte is the firm of or death its termination, life & death the miles It the a few hours involunces, they as from the

It same manner as albumen, Comp. of of Albumen x felsin is shown in the annex of 7, table. In passing from the state of Albremer 6 8 Mot of Filmi carbonic acid is given of Filin de empres per oude of Hydrogen without undergoing any change: this is a dingular fact & will bereafter be applied to the englanation of the phenomona of lessetim; I, this is is demonstrated that the frequence of an animal dubstince is dufficient to produce decomposition of a chemical compound. There is a thin menulous Vector on the blood & the sacretion which probably causes the hencecal change which takes place. Fiction exists in solution, in in blood, chigh & lymph, in a solid form a muscular film. The there prompte a The there frinceple is Gelatin : it is procured by brilling The cellular topue & forms jelly I gleen. I muchem is to here deviced the enestine of gelation in the animal as a expanate principle, they day that it is a product & not an educt. of this were so why should we find it only in particular liperes, litt tannin it formes leathere is is likely that goldin produces the principle & the precipitates It ? Januar to the how of all ogetable astring out & it probable that it food wes its effects by uniting with the gulation

arener att rabition, the must comme over start of life with Observation makes us acquainterwith two sets of ortal phenomen. me ut wither was not appearable emply the frely is consum auf. anthe set going musther un within the copunganche jas Assemble they are independent of Thebroll, Then we can other à Alter legengeaufour serves, les très order are a antagonime with each other, they commencement flife enthose the welagaring to opher, theprolegues mention devide whater layers Whetentense from the brain spil oran Oken & myseer of the rever, the interior therewers new a year of recorder between the hors as for the Modal The first or feedless to arrivales & termed animal by therein community avgetable liter it is me confining vegetable, dellar regulable, life, The might Luffer that there were territal principles a france with of wylothe lefe, but this all me fine lets the defend dente peerding Ithe miller on which it ant. Her at the center of their ofher the the ofherme are not district, at the freshing the maple, the again, Ale count of the tram, sever series a musiles The regulable offer court of the Danguere plant, as went will be but for its experied tomorelis lever in fort fort) the order the ingesting from the anima prelitable

6. 10 hen organie matter Jomes as or tipue it assumes This is what we mean by the organized from of matter, It was supposed that every tipue was formed of rudinentary fibress with the mirroscope we can deparate the films ente still smaller mes whichos until at last we come to a filse which cannot be farther divided It is not prosible to detest nature in the first slift which The takes in the formation of an erganic being, In tracing back her operations we at last arrive at a front by his which we cannot go. We see first the form viscele united by animal glutinus pratter, deem of the veasels When the entents have soft as newment atulable to me form is the rescular, films are formed by the superficient of this occasion. formed by the desperfaction of this vesides These welle wells or generally anim but they aprene various shapes under pressure. They may be flattend by a lateral force or if applicable be derrounded by there was pressed à all sedes it vill becare a dodecaped on a sellin Juled is benogowal this form is enhebited in a plate Showan & Branchestery the crosp- Dection of a plant See Hornigh a microscope, The tubes fromed by there Vesicles are not continuoses has divided by aumerous mum branes, the fluids a circulating, passing through these

The plenment of the enterior with are of four orders a bety more orless to living beings, they are It placed plenme. 2.1 the dynamic forces, is theethold healt approxillar arend & domogelette complet the plenomena of lefter acles truly I their acting analogy leton the acron phenom a galvanie, I' organie physilyand Henry for whichen gehelder Asymmet of aremiles 4th Plychologreal plan or those friend which count by sepond Stepe a motive from Navny accetains the ophenmen which on tayer our allt be present the encounter of the meter which while them Therete made them to so that there auters kind of notter organic or inorganic - Huffen Suffered that & They too won suter of proth by any or can the country ante and the but there is a loss, I'm Organice country buyo Should a walter so but enorgan milter be and from In agence, I ga demund princip can in convert may in but organice mattery una who the cambe for artificing est this wish an opame Juniple it is muly aproved which is thoron mer for the Dysten, 3' Organice matters. detrop of free pulsofaction & ofther not uponed to contained, 4" Again cannot be constituted for in your by the form of enougher on the my the the grand got being, correct the one her ser the mufity for the head

membranes. The prolycisms membrane is ar first formed of visicles agglorigation together indiscernally: They there arrange Themselves tras of me channels, then a membanes living is Jornes a these chemiels of thusportucing reddels, I may the Matter externel to the membrane is then enverted enter blood (Ithe embryo)) five examinate representation Lee Haline vessels which seem 10030 Smelt who the plastic meters, then vissels are about the paretes of an inch in diameter. Head vissels seem to be comprised of a single membrane. The nerves can also be traced until they desappear in the plastic. There are whe form of tubes entaining a similizated matter; I have their origin in the plastic matter. Many lipeurs have no sensibility in their natural state, but by a slight modification of their condition they become very sensitive: the plastic matter being the Source of the nerves may belough been densitive & thus from this phenomenon. The medusor present an anologois form case Although apparently nothing oner than a gelly they possess Rensibility: They have no blomach & yet they degest solid brown duch as fish; they have no vessels dyet They decrete a highly acrid diquid. The first organized from is that of a filre shown both in regelables & animals: by the aggregation of these filres acylindertal & membrane may be formed. Home & Bower have asserted that mudeular fibre is a deceddin of globales, but

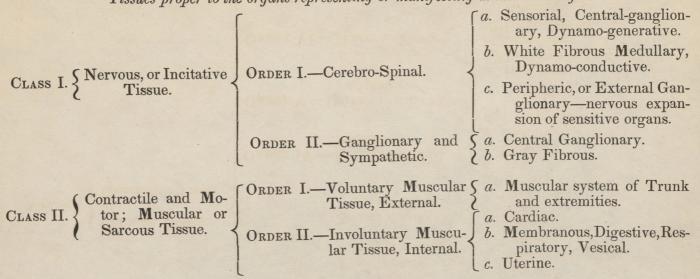
design cosmic and and appropriate the cartin of the solution by the and of mater, the regetable telpres are from for enorgaine meller, the begins order of aremil south Onort inogenice & organice matter, how the with The brush now as the oforger than it or forms, but some must regitable matter into onimal! Myanic miller A for fareinch, the gramerous annul burdher aculables to current a the graminionous Organic malters then of two kinds mappy from to the contitude Specially the of an inles Wherever are enercend what action is to be sustained those mus a inssearce of the flow at the sent of out ineren actions here The mere we we to when the action, abstraction of stood, underess proceduring for the district once of frenchen the John ich has confirm the news to alteration of the soles what the fleeds in just as meeting - the an energy flow from your conjecter to men the function ofthe - Tolombia from if grather, The sudementy from is a Officiale containing a certia of germenation, which when bright int a fin boison a spile which appropriate ndurady with grands a leg & afron thety paid from a before oriented. Congress a result from a the Fiathfranch the spices to market to when I the country maken there were were free and It has nothing mention restores a may armende in not

Classification of the Tissues---the proximate and anatomical elements of the organism. FIRST DIVISION.

Tissues proper to the organs representing or manifesting the actions and functions of organic, vegetative, or plastic vitality.

or prosted detering.		
CLASS I. Cellular, Plastic or Generative Tissue.	ORDER I.—Adipose Tissue.	a. Fibrous.b. Elastic Fibrous.
	Order II.—Sclerous, Stratified, or Hard Tissues.	c. Fibro-Cartilaginous. d. Cartilaginous. e. Osseous.
	Order III.—Cystiform Tissues, Two families. First family, Serous Tissues.	 a. Arachnoid, (cerebro-spinal.) b. Sensual, (of senses.) c. Thoracic. d. Abdominal. e. Genital.
	Second family, Sy- novial Tissues.	a. Bursal. b. Thecal. c. Capsular. a. Arterial.
	Order IV.—Angeal, ramified, or vascular.	b. Venous.c. Capillary.d. Cardiac.e. Lymphatics.
	Order V.—Dermoid, or External Peripheric.	The skin.
	Order VI.—Mucous Tissues.	 a. Digestive. b. Respiratory. c. Glandular. d. Urino-genital. e. Mammary.
SECOND DIVISION.		

Tissues proper to the organs representing or manifesting animal vitality.



Arssues proper to the organs representing or manifesting the actions and functions of organic, vegetative,

c. Lymphaucs CLASS I. Cellular, Plastic or Generative Tissue

SECOND BEATHOR!

Chass I. { Mervous, or Incitative } Onder I. Cerebro Spinal. a. Sensorial, Central-ganghonits rudementary from appears the a fibre (smay per hapshe atube) The smalless film which has been obserted in the form of an und in diameter, the febre are surrounded by mercules acceptiblenes. When placed in just aposition they of constitute lamella & of these lamella any membrane may be formed. The epithelium of the intestines seems the empored of plastic matter without films.

Nor 21st

Organic matter is not emferied to any particular topen orform: its tendency is to apune Inne organized from Amagle tendne, muscle, nerve abne. La line is to be repaired the plastic matter is effected & Leenes tome of a tendow or muscle be ruptured thedame plastice matter is thrown out. In the embryo there is a plastice matter Which assumes the form peculiar to the genus or species towhit Abelings. The various organs when completed and not homogoneous being formed of cellular topene nervous a musular tipue, Finel agranged his andogy arend my to the there affected. Bishar broken physiology is much endelted has multiplied the tipues too much by conformed ing the comfrom outh the Simple. As present we emsider that there an three primition topices vis cellular, nervous & museu lar. The cellular keems of nom a bed or mould for the others

according the cincemplances in what they amplaced foreten they tak an annelus formes, then from the globules fruith a sort of zertibe from the form, the the first for remale the odercupe of the Miller has comet to comelecter for his dierrations that cancers At morbid growthe and from redules & cellules - in moullay samma they lone, in accumma them walls when In medullay Sanma, this is a cept descende of they while cotion eight with cyrtish I'm to must gravele In ferm who can dean trevals who were that Muller & news took In welling medullo, serious of of in witer designed white the seems of a dog that porced the drive of the day For of its other selves with the port Hat the Cere elast short when after a celaster - how dept are . 0054 of wint in Franches No such they July and or betardegous growth, all the motor growths an analysis to some popular themanello samue of the offer morner In colonial organization corresports with an coloring for het a relieveled for a sente han en tele the for habit a state of the arend Man and of the organiza for of all the low order of with a hor delelipment frepen Through any from I He & cleraficate of sumple Tennisem for

Cellular tipues is empored of gelatin, nervous of albumen been termed, muchus, reliculated filmentons, arrolage has been during life energh in pathological emotion it the matrix — callebose it generative, and dening it the matrix in which the others are former, but we do not find it in the free the free the from the front man from the front man from the front man from the front of the front of the front from the front of the first of the f is structure a hen dried of appears retracted when seventing an amind of numerous cells (or cellules), The fluid which distends its cells during lefe. disappears in at death occurs, I me have supposed the cells The occupied by a legued other, by agas, Few physiologists agra in respect to it. Meckel & Wolfe Day that it is much a mucus full of air bubbles, Homan thinks it to be a combi-france for more immentally thomas without of Dumas day that it is formed by the juntaposition of files - Berry dish Whom I Jagrees) days that it is richer in lymphatices , neverus tubules & Languene capellarces than any ther tipere, ther each film anxists of Physlene vessels, news & Sangueir aspellances that there files enstate the membrane. He infers that the Maline Vissels are hollow because he sees them anastono long & finally terminating in the Cymphaties, The cellular Where is the besieve all the modifications of organs & is necessary their formation " bones or not from readily

Vistoethas the times - this was infreshed souther Affects the propose of affind monow, vertelated a correctation art multings List elepfute int. 3 clefs, 1? Devites (whistener) the Towerfun farimals, no eyous, agalitimos comp of few vedules unets y glades note at, in high the a some pofference of cellules afore; this clop below the infusions, glater buys ontainer your whichmaps when the breaken afongs default to day whether they are animal or regitable - in them frists they if combine els animal by motion ofteness out the themselves together & afor for of right? Entogoa smewhat high in the Icale - Snemels in the fruit stage of againgule for an referrite regards but card fort perfrome the funder of the whole -Tologhe few afrolin Ateums therefor of theoreting the cilia with whill the an front, 2 dep Radiala, as starfish, and Mollewer as much 4 Deteculate animals of reports admitted as the brech, mouts an 5 Vestelosto, Memmelin bords & frakes of tabolista 1th I clop to a color degre of ingrenyate the smooth defined of the the down can be when De ut two, Animels howels hen clips accorded the for of the nervon agiting the reduction has lever tous cycle-neuron, the mollusca cycle zanghenta the askendale have be ten differences for the news har Darble, the Gesteloute have her time Effere violatiety The for the then the exclephate to up cale fore on the defect pinty willippates and whom with almeter.

Where they are not surrounded by cellular tipure, as a the care of the Joints Russon to then the capacilar ligaments & The cranium. If the cellular topue is the line of all new for matines, it must posseds all the properties of vitality, Its characeter is not every where the Dame It presents 3 classes in which the different elements prevail. In the first class viz films tipues the tymphetic elements prodominates of the newows is at yero. In the second the capellary vessels we The Languene element predminates as in farenchymate Mucus mesulsane & Skin, In the there, the heroous element fredominates & the lymphatee is at zero as In the news & Spinal marrow (the sanguen (clement (hung slight) The cellular topice is continuous throughout the body forming the monto in which the Marines fasts are east. It exists every where except on the sails teeth & hair Though entineous it may be divided into two orders one loose called At atmospheric cellular membrane, the other close, cultin farenchy matrix tipue, which is never forthefrotestion & from of the organs: wa muscle for example lack file is Surrounded with a parenchyma. The tipue resembles a Stonge. The fluids grantate in it, hence persons havy redema, have their lower entremities bebilled When standing Sometimes by Juneturing the fact the

biolles ever dirited into, Kepholopora, arountiles gasteropina - smil, higher ogsusquen to mostfet clap - distinct lines eyes, hermafter te impregnet one author. Distinguistes a mediferes for this shelling carteratorflimes which is amnestion with you afe, the phophete is connected with arome the. Arteachala - Constana as conto o librations have eight less, grand the place by carties of the shall some the first of unew the supulate of the mist of unew their limbs of bother at or above at this seems joint. Arachis or spidors, eight less, pende at just as hemorty if betwee toputs hemotyes affect toutry lefer. hen by anjulate of just were sail circumstaces -Indular charactures & sen bego- ages in complete, auteur angs. They pay through a complete metaphorses, it is follow that the whenve Moresher gaves the external from 1th day a Chrysolis 3° small with fewer beginnerts thus the to the mornele with the colorade where or charge of the neiner system, when grangen from degreet on the anays severe unto be the thrown to a sofe by mips also i chromand fartener the thell apply the lever fly An probable the The fine monous of the deal total the personal hand a get wealty definition Alathran and source Millefords Welny is Van chape, he med wir are head throw estations, each up these good

Who he bod; maybe emptied, A wan an (a patient of D' Hacksons) who had by Frotheran, asciles & general anadarca was relieved of Mular tipure dorses with atmospheric & parendymetres, forestone by factures in the feet. The quantity of celler or membrane of shows yether of them latitudes, but a the age, Sen & temperament, her ce Children's lembs are more rounded than godults'. Um en noe the teactiful contour of their limbs tot abundance of cellul for topue; it is most prevalent in lighthatic temperaments herce their counted limbs & deficiency of beard. When wer then is free motion cellulartipue abounds as a the arm-pite many organs are en bed ed in it as the kidney separance panereas. In the brain it is not perceptable to the ege bergy ben delicate, It is clastic, flexible trasfarent & in Ame degree antractile In some diseases of loves its cambra delity former with the little as in about the Shirter as hence the appearance of the skin the activity of the vital functions: This property is known under the name of tone or tonicity. Init is natural state It has hidthe on me sensit elety but in disease it smetimes beannes very Sensitive. The spingy portion possesses a Alight degree of organice Lenschillity for of the especie to the action of the air or any acred matter it beames fainful In suppurative uplammation plastic matter is thrown out & Jams abarrier around the affected portion Mus limiting

20 par of bys- Annelida as leacher Turapole Rolleferon - then little areunds has a high dagne of organization degeter affaction, muscles, theoutheless throng before shreffmeth der but in being morstened they are remorfied a assumether activity they may be winful 78 8 times, Entogram - last Blook of arthur lata -Vertebrata but over Mamoralia distinguished by their Suckling their young - This clap whom I to toppe of the avenue is mide for away to ceremoters in which they are placed, there morely the In athe surface of the serthy some water, others in the air Type lover presents - but thouseng the cetacea - anding know that they are all as enformely with four types, the willen corruption to the alterist, except to the case of monsters, wherean asento or an arrand of organization for for or the The ardien of an enterior from, untien on afear friendflow, for while some miller of from our fordered. There is a free fertile them this plastice free, tomest theyouthot acertain just, white the force me cannot day , but whiter subject we furane we it last com the sporter for from askert we cannot comprete but in find the there is a force regulated formation, also there is a semilar loss aguliling path loqued phenomena, which was anito for astine curses concline whereal, white was

the disease this hable to corysepllater inflammation the diseased Reems to be Reated on the blood there is no plastic matter thrown but there is diffused in the cellular topsen a lequid whethis not evagulable. It is sanies; this must be gotten to of by incitions. I I think to forthely ames from an ains mily effect up to tipure, which is duling to a large intent when forming are made to large grantette of the toping the tipure on Hawn out to Blogan to according the tipure is subject to to variety of mitted conditions funencelless the tighe of acutor flaprination, the coller fortefine in the and atimes fells o. a. acute & chronic inflammation: Wis also dubut to specific At wefels induction, worthon, In the centre the cellula tiffer lines attortality of as well as general diseases, as in Selectione of cheforen, a disease Jam a langua from for Alords is if a freeze ejent AD gettet the fint & prome unknown in this coverity but common a bar spe, it is also called earth of the peach, Edgeler topare of or myton of offered on Al put i faction, Allew Counts: The lefacea becomes has denen a ly the induration of the plastice matter. There is a while we denotion affecting adults, define the integrant of the little with the affecting adults, defined the integrant of the Aller was impossible the alleger and the state of th dent upon the same cause vin on induration of the please make ter rendering the office cellular tipue hard & stiff Dod seed a pethological author in sich why In order of ylaminate it - of Inflore most Almal cases during the year. I lawyer from I Carolina letely April completeles enjuglies - It may organise it the whim of entered to the Mentioner, but this so affected as to injure his articulation electroner, but that I him wealth your affection to get organism Very much, there was no change in the volver of the parts, his They were very much has dived. It prejuntly altocks the breast a neck i has a core of the the things in the fire at the stand of the break of the second the things in the stand of the the things in the second the knee joint caux ly assuic given until anasaréa lors produced which Afterned the tipue, It is ametimes cure d by antiplogestic remedies. Appelent whose lips & torque were affected had beeches applied to the separts only 3 or 4 days for 2 months; he

Understand there laws & keep this direase is it regular comments to all Hoplacter deserves we have their equiler plenmen whit In something Same for Mousands of years. In the desirace of animal life a Deffer law enerts. Cauce of factor in pethlogists is the tone norms were who is late of the fraction of courses & the ffeet they produce, The laws of pathology muster tried artholows of physiology- for is line that there a law entrolling the that form in physicing plen mene the ment be a semiler land Egulatery fathetyune fle We have seen that every sold is from I from a fleed - of a construction of the or receptances of the self the of The blood is Millaster organizable flered concelet, though the Collular tipue subject & homes inflammation following acute drew. attende with formalin of matter without fair or tumpetime I' The acoust of the kind a white long quartities of mellion and why Through a preneture mode when the akin Julio lette unnitured survey or anough in I have know hat me can of the country It counts with defent to the cellule. April of a geletin substance entering theyellow & blue old in matte of blow very fatules -I woman entered the hispital with white industry of the be all which book a of sculptures gut from the , she has sphonell of unperior asperation, the hely fatel care Voscont

was nearly relieved when he left the city Interior an illuminion metter ansaca folhos chronie & Imetimes acute diseases, it is to be regened to the blood's containing less plastic position The blood becomes affection by chronic disases, Jelson disappear berum fred mienales La general effection takes place, it's Sometimes cause & ly congestion, often arising from procedure a con maritimed of diseased uterus pressing the sena cava & causery cactema of lower extremities. Cellular tipue is subject to Hypertroppy & atrophy. Phypotrophy is generally complesets with other diseases. Atrophy (especially of the adopon leftere) Amelines occers as an original disease but generally follows congequence of chronic It froduces great emaciation. In the case of Calvin Edone the living skeleton the (callular) topus) was probably antibely wanting, the muces was in its natural state although his nauseles were showsken his strongth remained The adipose matter had disappeared from the bollow of his feet requiring his shows to be Huffer, An order to enable him to walk; his chest a cramenation was a a halthy state Elephantiasis is caused by plastic matter felling the cells of the Eliphantiasis of the Greeks, the Elephantiasis of the arabs, In the former the enlargement is tubercular as in the drawing embelited (fear affects) of is very rare a this country, faw

Not unemmen about the reck, I have rear it attack the integrins of tracken which imposed responden son much, It ements n the Definit of an albemin matter I consider to drew of the lymphities - Elephantians of the Greats deserre of Thin, Ed Ands man of cellulor telous Anasana es simetemos anaento Freeza ansery prenfrent 200 - Imoleure our sportagen It is now Intoful whether there are not distant growther Muller combers Drepose on cellular Type continues a Sufost of fat, Rapail Blumble or thick it a Destend On Sougherful of allular tipus, of odepose toper be low in a seen onfo to head a chrown of wale the cellular topan will remain take a newhord granters pops through which insuly alleles entany

a case from I. America, where it is not very uncommon, in the latter the Surface is even & regular in ets contour. When it occurs in the aldonen it depends very much, drawing shows in which the aldonen heig down to the kneed. The negroes in this country are very bulgeet to it_ Emphysema takes place Ameteines after copodure to the cold When the arm has been enposed to cold there is dometimes Instead of cheumstian, are effection of air into the cellular manibrane: the arm dwells & the exchilation is dichas to redemble that of a fracture: De San a case of spontaneous emphy dema College the whole body -Probably all cases of transformation of tipue are to be referred to the cellular topice. There are two Kinds of transformation me in which the part of med is a natural organic dulalance but midflaced as a cases of ossepication, of the Mer it is belerophyte as in tubercular affections, the latter is no properly a transformation, being menly a deposit of inorganierged matter. The cause of this appleation is not know; All this We know is that the cellular tipue is capable of the de changes Adipose topac is a mod ifreatin of the cellular. Poleland first established the adepose as a distinct modification The cells in the cellular tipues are angular as shown by their harazonal from when tried. If thou of the ad pose lipue

fat to menule anamention it is for tenesus of cell wither one for with the repel supplyer is . In different in Deffent aremala da to Jama aremel al Inffant fenos of life, home ands it speed a ergotilling for or forth, from emplalen - Hanas far When med fresunt smedty my Awani approaces, Report the by as of earffert from a anflued these the fat of mortanish who is the the of man consults of cells (39) entremes aremons grandes 76, with carter of jonet Dis mor ahadout we women that in men - Blandelle thinks it are exercite for the Our System, The Defrection a ellphant he had land the Hora como & the left by on returning to his orcupila hope of come with a layor of July Dans of it is some flue, Ir Home & originally spirath from of manh to he makes from days - her fact un ferfett flow that 1 th mothy December

are round & empletely closed of drawing exhibited: this is proved by Capping it to the dans, if the cells were ofen the fat when melter would seen out; as no effection takes placed the cells must be closed The adipose tipue does not exest throughout the bidy as the cellular does 1st There's a layer under the Skin 2. It accumulates around the vessels 3° around the heart 4th between the serous coverings of organs & their perieles as around the Mentum & Ridneys. Whotever may be the degree of emacialian then is some ad spose matter found a certain pasts as around the eye, on the check I kidneys. adipose matter occurs and formed formed the covites of joints & certain organs, it's confined of two parts the we fore or cellular lipue & the fat. The fat is companied of two principles Stearine & claime, the former Solid, the latter fluid. In the adipose toper around the eye the latter is more fined by done the a decretion from the bessels of the code pose tipue by others a deposit from the blood; it has not been found in sufficient quan tily in thellows to justify the latter opinion, At gives softness oflintelly to yout & other parts & offerds forteetin to them organs. It is emadered by Some as a stock of nutritive matter law up in the Lestien . Persons who wink nauch horeba a tendincy typon fat. On drunkards there is alend my to an accumulation of coolin & hydrogen in the blood as shown by their breath reasonabling in small carbaretted hydrogen. (There patel been

Kreggy thule of A dulyet & Differe inflammation semilies to the describes as affecting the cellula teffere. July mines a modificato of Pleatona

cases of Spontaneous combustion) Hat being composed frie cipally of carbon + hydrogen is dupposed to relieve the blood of this accumulation of yas. age modifies the adipore tiplue for does not appearentil afterbirth x is afferst of lighter colner than afterwards, it accumulates in early youth dimenished of puberty & accumulates in after age It is deficient in nerous sabandant in sanguine & lymphatic temperaments, deficient a Ame races as a the Mulays abundant in Cancasian asee. In ome Aprican tribes disposed to accumulate a porticular parts; about the hip, & buttocks, home exhibited in France with a fundament sufficiently large to hold a waster Styles African Venus, It is subject to affarmation also to Mypertrophy . In some cases it increases immensely of Dan! Danilest weighed about seven hundrate pounds. It is subjet by it. There are other more calines as are spine- sarema. in No huch films aun through it & a matter resembling fat success is deporter in large quantities, Iteaxtoma - accumulation of fut in a single cell & Lyponia - worcere in Affret cells delerous or hand topues mo fealtons of cellular tipue as films elestir filrais cartilaginons filro cartilaginons, osseans these corsect of the dame elements as the cellular has been dessites as containing. The Hibrars is an aggregation of filmes as in a tendon e membrane : each filse can be reduced to My alin

Telm aper mot enterior unter all the thetopies Egeth Im the me timesty muste tomeste de But at ourseless the perinteum ploteentre of the plans the The Antino La acidia of Home kind a considered the has the centre - with the excepts of the larger & mit number to Butidos organi Feli affects, amongs Jameled artist muscles they forom expenders, infining opmensions they dupated Akropal tour it bestical does alle about with of places a it & here flourt Helier tope does not play a high deque of ortality This suffer & frenchis in introl, mechanical, Apripaper your strength & lette or me onters belet, Thomospealing and Jenesteum, the Butar Mayor the certical as certainly consents with the new ho facility with which aftermented paper from me ful of the total the alletted to The lone by to taland surface, logth endent to the months & linenes, 2, Hasein ox aforcurres whit ever thomules & It is dely & done fromten mes & with one 12 12, A Jendente the interstives of the film - the addy M. thought, It alox for portations between thegen, which for a enfor test put is trentitions the offerend of the or Montemer 3 Tendran should show we is The on the tendres 2 hepre. a poster trung Bole of the Busiles - ansuler legarent

Me februs tefene enests under the Sin (Jascia) & pois f different parts together: it also enters into the comportion of have Filrows topue is a semple most freation of the cellular where they are ammeted, they pass into each other do as not the distinguished. The fibrous tepue according to Bishar forms a System I which the perinteum is the centre. There is a entimity of felrows topue thoughout the body; the pericardium which was sufficed to be insulated being emucited with the faseea of the neck, This will explain his inflammation of februs likewe estends from one fast of the body to author. Thus the perstoneum is affected a pleasants. Films topice does not enhibit absolute ordinary contractilety; it its natural state it has not be ensibility; a tenden may be out or entended longitudinally to thank Levalen of however it be twisted or extended transversely an eneasy Juling is produced. This is the account to for by the Small quantity of merroes which are found injerolation inflamed at becomes highly hensible. It is leable to Leveral Modifications: the most common is inflammation, which know does not fir duce stuffer at en er when tion. His this dut of wheunatis m (coule & chronic): This muscular film not being affected as his been duffraced to be the care. It apamouroses of the wresting the musculor felres & fasciculi being the desired front. When the nheunstism is very accide the past instinct

gunt he can first, whereto with degrove tours! notice, 4, from writing members whit plats the organs which they contain spent upon viscolling - The the please white exprise the potents, also the kedry Seling, mamming they glar, testes, a-The filing unitonest of hart & turn My him aling of lever tipe terme timo delen gares -5th yand attack & the ferm to alma Land the multipo expulsolyamint 6" Tendons, unter open & murules they are conform of films my Due spind unto, masser of country files much & tendow wh exactly known, in free or suffrence Refuel the The letin is subject meline views, a of the is relaxante de chyplian, miles de much so a trelef with the functions, Sanaca with & Physical of clittle que lingh & the city explant bult It her know down his greatmented pour last couts at walk a will sall so Ited a account of the know bearing, I Rheywork from show relaxation of enreal legaments The level tens revent letter ensultane or own of the Rain, & hand therefore who and to the from a total of that - Portet 5th elight of the type to greatly subgrationers

isely assets the will & there is a Int of paralysis, a very tiolent effort of the will being necessary to produce notion. The digestern functions are smetimes affected by inflammatea of the topue about the points as in gout, I meternes gout of cheumathe affections produced modification of the tipue, especially the gouty which make colcarems deposites. In rheumatism there is a thickening & smeternes af oftening follower by atrophy Who bijaments, a gentlewan in this cety that the had nearly is prejuntly affects with inflamation. The Painter a will for the street of the well for the street of the street whom by philitic offections, they are sometimes acleaved to a hacut of a year and some of when the fewer as coices will willen Danger the fewer as coices will willen Danger to a coices will follow such treatment, Ireal applications & depleting reun dies only must be used and the her defend of property formet formet the Constitution of the februs branches of Castier februs is a more oficialism of the februs Concelly Hiffering intarrangentent of its films, only lately recognised as a distinct topice of Altanis its name from lets being electic Itis not do abundant in main as in the lover animals, being well dereloped in the on the ligamenst of clostic films tiffue hold my who the head, also descloped in the horse alphaster The head is Dain down by mudiles best as soon as the numberla Most is discutinued the head rises. It exists in man asking the

power that give so much agelity treemen whereas Gebral Rosel, Min Denies by some physiologists that The John toper an expelle of Influention. he meines for he refets white from a different ofining - auffairetion your when the I deffuided more with tulyill to Deropole Tables & theffertight, the Jehn aparle of glands & French Here, Justems gelatinous of the muter away - Jaw me can while all hopland as inffaction of atopt of pelos the His prit were easely Brake catto by musicular action. Julyet to transformation, into contelege & have a un autogenes the atife a Nuletin Juserous a Della when all thing ament were fife stealignast Decean - Junges growthy Orter Darenna also done len commences in the felin's There - perior term A gentlem After happed one I level it a happy compression by itily planter thousand wer happy attended to you offered a to the thereby the interest mile on Joynofo, has I look suggest of him & to was lever the being Electer films justifies very acole retability, in retron affection the fore many dream, influm hepor in the reme living, A Somline bear to destruit animian to enrymences hisport to transformation particular to

This yellow a come plen appear home inform award and of the arteries. The blood is driven by the action of the heart with arteries with great force; as som as the effect of the impulse is over, the astery entracts I the blood. being prevented by valves from returning out the Keart is fired to wards the extremities, wherever the elastic crats ener the action is continued seen into the capillaries. This a case of a Ortal physical operation's being substituted for a vital, of the arteries were durrounded by a musuclar coat for friducing this motion, they would be dubject to all affections to which murles are liable: Span might take place. I Stop the cerculation of the blood. This Clasticity of the arteries has been but lately reenguised. This topice sometimes loves its clasticity. This because in ancured me, an inlargament of the rease being from duced -Nov. 26th 1839 Film-cartilaginous exists in deferent portions & serves diff purpos, In me portine dir. the fitoms structure frevails, as at the Ly mplys, pubis & mosth bodies of the austeline (as the spiglotties de ? His dubject to inflammation, which however does not originale in the tipue, by which it is smelines distrayed. Imelines it is difficed Cartilgge posseds ensests of vesicles intermined with minute filres; it does not process much vitality & is next in hardness Home . It evers the asticulating Ruspaces of bones, presenting a smooth surface but about mostly in by supporation & possesses

dones, Amelian artery consented who along deplender, consulate still gres or het or molerall, montified -Vetro cortilazione oull zellowente white of greater theighthe bound propresses considerable clusterly possible noncombant of sules entimary organs, anotherit do and agree or the puede sublilys of sits & of curtainen lite, the sulpit to drive An jurel & fringing, eleveting applifelates & senfulus it is not capable of reformation, if morto Amel with but of just be dretinged not now lighter found, sometime uand by bone, to full printer in the wine of hours do feles contiles Cartilagenus tipur fapeorly white anatarus as rellulartifue It appears in the positions a the economy 1th as a tempormy United to a spermanent fruite 3' or a brandfording on motor growth, the lengary endeter wall forter wie muly hos, formand every antendaly durfor p brus here of your enfortener knowth selves ait wears, Secretical andre rance cercuntains, two from purcupally , round wilete nopes a pur flotiles a thyprub, as plates a th John ser our new haves, ameter a from the bush a en Leder ble navaller, as many as 35 in keep joint, vary a degree from a soullest and to almost, france not known, In B Book

lette orn a dusceptibility (It ametimes Joms an envelope) It also Jomes part of the Skeletn as the cartilages of the rite, Inflaman tim ametimes occurs but is not organal. Netter dupperation nor ulceration takes place, it sometimes becomes coftened int a gelatinus mass: it is frequently assified. Aprophy manifes. tes is anely losis Offens Structure. This folace is the shelita of a gives from With herma lody, eve shall examine to more of Jamestian a existence debudion & uses. Ossens matter Leenis to be promend in there ways 1th Inthe Course grade of animals as the mas repores or appears to be merely a petrofaction of animal mate The ossification of some of the tipues in the higher animals resembles this, as the assification of the pleases, in there cases Witslely Seems to how retrograded. 2° Fluids and decretor I from lamella of culcarens matter, after t is one formed with is more from the molling and for a some the mollisted are anamples of this formation. In some the Mele remains as ar the yeller, The strong the angle of the street which is an energial of the strong of the street which is an energy of the strong of the street which is an energy of the strong of the str ensteed throw of the shell vanther is formed. The harden of the species the species to the second of the second of the species to the species to the species of the species is a embination of vessels a nerves, chis a living atmetere, continues le dayong emporetra o decomposition de enercases d'diminishes present all the phenomena of a long before. The composition of the carthy malter varies. In the lower orders of animals it is a continuate of like, in the true ofseens topule cras a phosephate. This is pulliar

suffered that They crawle from acute inflammaclini, not redow, sometime for in there menose wheather on the result of inflamme lin - measing for a thouter side of joint, he freefound as plates, we place now of kins, restrictes of braw, timen regenter tetes, Coartilye out voluble in est. water. It is on hot serlyleted geld can ly of more yets a suffered out of plates called chousing Berkinge sufferes at to care that soler albumum matter a why have of cellular tipure, he supp And A contains orumann confusul. I forme a the arrangement of enqueler in the contraly as which are exceptable of long transformation on their whent an ort, in from Dulahits though the tipus, in latter in much e of allale topines, Film feartily clartie a place perpendien when a suffice of breathert they erver, in before a Mos Thats they got shiftly & their Deminsh the consopen while will Minute agreement, Cartilego populos the lowert degree of what Some dany that they proper correlation or are susuptible of Disease - For B Bride Day that the is vasculary A ha a sort of cerculation for of your cut it the day surface will som be moretund of the encedation of a fellen of fluid, It has no remorbilety it so anyest to udecentin I Amy be presum that the been enflowered in, form alcorden leter flow a free surface of contidery, seemedy alon Wales commences in born a sattered yet supposation - Not ourself able of reproduction, of end Arenous or the Atate, Changes will

The phospheric aced is I bably formedly the nerver others topic is a continuation of certification with the matter, it is polarly meetly a monture on of a chemical continution as they can be defended without declar allering the John of the Tome. The animal matter is claster feloms to see that demand or anisting of Cymphatics, languina capillaries & new tophales: intermined with the es the plaster & earthy motter. Replaces are units in fasciculi with the plastic matter despos the lyaphates are most abundants, capellaries next a merses least. On the compact Structure the felses are parallel + say devices in this Smiture the never terminate of the by suphatics late their origin The cellular or reticulates Almeture combains Anto, lymphaticos, aeray + cefillaines than the ampact its cells are felled with medullar matter containing more claim than common fat. Issems tipeen as more physically an appropriate the as one have though it entains all the elements of the highest elements and of left The elements are developed in inflammation. Findstilly is cludy enemeted with active circulation, when this is increased 4 the line to a doffweent degree who persusses stality as elevated as it the is in the parts of the body. The bow derves a mechanical purpose In this account Thould not possess sensibility but it is liable to be broken I should be capable of ustration, which

aper a factal left, much, form wents life & had in which Cartily for the Whileter of em of the lower animals - ome frohen aftel. Why for ale off weeks the eastelyse The plan of religibles there I have named of mismany a see touris of small tibules fewellers the plan to row of a but a ranks ask life, salemen with plotules, one of of the carrier & termenate in the confuerrales of the bourse, an groß rection consumer mumorpully entitled the opening of its tilles. The paper am arranger in forendes, Files either paralle & or dir orgent lette providentes topies, Capillanes out equally numerous inall parts - he to compact afour the felice general our parallel share much condensed, The plus empryationly is for lamillacy who they radiate for aparts for radiates tun, where they seen from alberton, -Ban does not ensuch eaches only of opens toping his of Janosteren, Dipels, months & Spens tipu whites The from that party Various of curs or the Amelin of the form Whiten of Jeoga sepportole lements, leapents Mr It am relbeling cools empress in conspart structure, this Forture en french enterson by the confesh anctowed - Berkinger, Herry I then Germe physiologists & queste in France In fold all he the crameration of the And nontran meenoofe - guest offert this the flow of pearance alesson, that I went

requires this organization. Lattological andition, There is hardly Largetines from nothing standard numerous, cometours congenital, comme It ometimes occurs out of place as a transformation, in the wind pipe cing abmost at the time forfrestions at least life the rown has left the rown the nestine to aborton orn. I to brown asternely are ruguenes - ? gelaterius, then carte Carinens, then ossemes, It's ometimes hoteletos in it formation o en the care the The To may not be able to stand until the age of 4 or 5 years. if a cheto in this State be made to Hand it will be deformed, Imielines there is In organital absence of orseous topice or the hear & office (as office bifes bifeda) Regeneration of bone has been ascribed to inflammatine, but this is not always necessary: in semple pactures the I me is untless without inflammation; in composite of fracting inflammation beens necessary, the bones having been enforced to the air. Hunter Supposed that seven was effected by an Affusen of blood which became organized; this theory has been rejected & Dupyloren o received. The latter support that the Runsus ding cellular tepue throws out the plastie matter wh Es held in solution is the blood & which is expable of forming any tipue. This surrounds the pactured part & becomes delid: The Spenacula of lone shoot into it. The provisional calles which darcounts & gives Support to the tree is this formed, After a period of 12 months the sends of the lone Become fresed & the callies disappears. Boms broken in a joint do not unete by

for farrow or counds, I enseit the of exemps cultures refers demented acros, there and mattendermines the walls of the causes, there the confort dructure, in the which tope withinter. We Gerrains are menute, according & the same An first lamelle in outre forten flower C. canels dumind Gamles 3" of conferences entres of the Carnellos conste between there. There experales are overlanderates black by traumittoly he, white by reflection Duttelle lighter of brogue carely pekelsites the lamence & concentre blood refes, thenhow. zutil carel enlaye & from allular structure. This constitutes the opens togen of which love is former, bones can the form affects There in its winders here is the Shits from the suffets the Will pate, wand randon, deum akaleta en la tentasea Aflanchma okeletin & neuro skeletu acartory topok the first ration -Enjendel deformity, depresent Jepen Chena-hofid an gen enely plat omtens elemen is wanter, I Rhubs and Peterle Ian a com of defering of onto Tome suryen that the the cecenion of tome defects afor the for please then will trees om I the true traly justs or, Healinger for that it tok place of the frost intertion of mean of the US offers Bishes suffere this it lites place & grounding for the extremely of the posters trans the preus organily

assens matter, but cartilaginais, it's the same care with the bones of the cranium. Within the celloclas capsular legament three is no celled Open demse quently replastic matter effersed a nocallus formed if the were buch a formation of would for due stiffness of the joint We have seen above that to exquires 13 months forthe fording to mes Therefore it would be necessary to keep the fatient still with the pactures parts in apprelia for this period in nour that an observes tenem might take place motion of the pasts being Sufficient to prevent sent union, The craneum has no cellular tope armind it and ensequently there is arcallus Thrown out The orseans topice is subject to general deflectic diseases, also Structural modifications Rochytis may be condored as dependent upon a deficiency of earthy matter women the uget proportion matter is differe from morbities, The lone remains off for a numbus common in ourspe probably defaultus in more of living Fragilet; auses from deficiency faminal matter I ness of earthy to me acquees its strength from a past combination of the two to here either is deficient it will be impaired, Cares are on record Where fracture has accured from a merchy muscular contraction in some cases the pacture count be noticed on Mollities There is a viliated outrition the earthy multer not being deposites. It amelines occurs en this country & in for

freunts & Waller & morpe & Dupuylow as thour seasonble Sender to Wallang Who Bush's enclosers for reformet, plante nather is theme out, and by cetter ! The how personer, surrounding eft puts or celleday When alone, but I them all conjuntly & the platter become take its from you the perter the repaired, This extlacter touther is omnets a trabley at Haller suffer, by me alyamenters matter which heres spefied, This is the firenormal celles which affords the bonne, of the tables be eflet ofer it will be fruit the the get of the line on still resumeted. It collies offerfer in 40 Agys, Them is with united for ceverl moltons. This calles Defentions who the moth through as by the han in Jufutt from hicertain puts the coller as not theme at as a to warmen when the is life the cellular tiffue or the rope porter, who cellers untofrance my hard times effects, begannite com also the place thought which I pertouting the from con befelto At the neck of the femin union very grand, titles plan them is contained a a coffeendon begannite whenty would the Africa callen of the and reacher the pretend have Ith Tones of they werter at all much worth of them an effolish Dutte union co notificable; there insterns a second or in well a. In f the rousen . They amenter matter him office

cares nohere the hygien amdition of the pateent racels not seen known tis buarrant it for me By pertrophy smilines takes place. There are cases on wind of the cranceson o weeking len formen pour le contines of ceurs in the Jamesal & humeral bones for much a encep of metato allie Atrophy occurs, a som cases; the mes of the crawiem nothing Naches Man tros orthree Sheets of paper, It takes place in ganous bones? may aure from injuries a colo or internal causes; Emmon affection of the common of formation of the continue o be confined to this or extend to the bone, The lowe & peristeum being destinct as their vascular slupply on may be datased I the other healthy; One for is ometimes appetetoly the contiquets, of an inflamed part. Imelines there is Supparation fication of one courseofords to alcertation, Necrosis to mother fication of or parts do meerosis there is death of the part but it is accompanced by restorations a cylinder is former arous the dead part & Ariginis o long time for the latter to be removed which rend us as of formal and formal way formal with the The an also spreefic affections duch as Torofula which altacks bowe as well as the Doft fasts. Defention of where close mella scrifterery of men constitutione of the

Thochester usually terminates of terrord opvorably he maceus It afforefo, great deformity cusults, craneum in moreful, July & aletinem Jefons, halt the most sevens deformets is this & 11th Jelves, whicher the cepter of suffered to bridg hem or morps in at thope in & he allows withogranderyer in Hospileto, udual i de age hit constant orners in mitte age dan the Inferdenterope depuency Janemal malter but one can elemeatly enamened dissent you then usult Molletes is always austitutional, probably specific, in not a men defences of earth mother, lest the accume polemes Whenin Songe, A contain great quantity of flowed, monten or lette kathy mater that I can hadriso with scalpe for in and the other, can affrance je una who be 3 full herefor by the country by the of the bries, feel enter he flow fred funds & put earn the dear of the may came I'll he on less you Tay the was a young ledy the this city Typhilite duin commences betwee The persolen of men por develope of flow, of flow, is fluto of him -The spenfu dream dontos aprim mentoson tour in the direct punt of the work of the home with I make a wither the thousand It often anyers were they were feld with range flowed,

Typhilis also attacks the bones, I commences with the periodeun generally & nodes are formed, Nidmeltines fallowed by enotores & The diseases dependent who commo inflammation Thena Vantora - small covities formed in the mes (decenum exhibited shaving this offelian) There is a concernor affection of times Ometimes termed Spina Ventora (Irawing of Jemus Thoun, so affected parety very large) Ottes savenna not very vare counts in a heterof kingle Immation Such as takes place in the Aft parts in generally incontrollable On the 33° a case was enhibited in the allow House of orter. Sarcoma, The tumour embraced the right dille of the frontal I also anterior half of the parcetal love, from acing Lendons am aurosis: I also causing the right eye to potrude andidwalf from its socket. I gibon days that the tumair udually consists of cartiloginars matter minest with Spiculos of bours. He declind The aling on the ground that the operation doubled do no good & would probably cause death, by enposing the dura mates, which would induce inflammation of this membrane & Subsequently of It brain. The disease originated in this care (A is supposed) from the kick of a horse on the past a gran or two knock ago

Malegnal wisten courset fenlegement of a muling In scarlegens, Otes ranna, carlegum in 1 chereter winter about globines, no to me log of cutty wills be a change with trusters ellerelling donouna efforouther the, name den for mullion Com I cart confind or my on to forms Isana come of it in the zamelle of the tition whenther impolition like rappined in lugs would leave The follow fund promples may be deduced, 12 in for the Worknownel spoth togerie and lin gets has consisted in the relative of it parely nut, Mysmalth of our ports of the continues Thyrelogues, of the Man juthological, Ins of a can which routhefter continued to the Gentleenth your thymy me got his aim cought in the ford it wer her at night aught withit proceeding. It is intentially Taly to Int clip abound withen 1. There a which of the physiolyand elety to In, in mille o stornshows, & the Human andredy & thetome order, of owners, the lane

Nov. 28 th 1839 The opens tipue exhibits pathological conditions in a Strong light It is dubject to all the modifications which the If parts un dergo I they are more distenct in this than in the Afr topues I'me of these modifications deen to be merely a retreat along the line of firmation: a retracing of theirs Steps: there is me disease for instance in which the bow because fluid On rachy tis the true remains cortilaginus, being anestes in its famaline, On molleties it returns from its perfect state to been or cartilagennes State. In oster-sarema, the one becomes fleshy. The nutrition is Vilialed & a matter is formed not analogous blow. This may follow inflammation but is not on cessarily careed by it Inflammation may produce modification I distruction loth of function & structure but it does not produce a persented nutrition or change in the Theracter of the formation. There is on this disease aftervertin of The organization The deseases of the trues feldom envolve the sympathies. Tym Juthy arises from a combination of the nervous centres or gangle (1.9 a disease of the leve protices amiting). Theing the absence of the newas gangles the lines do not involve the appripathies

The modifications of the opening tipue may be divided into Jour classes, 1st Violenty inflammation may occur without producing a permanent change weeth throughour thetelets of fulos, & who oran I gen back to the first eligible sent junto, glutumen 3. Her is an empty sangusprollessenter worthless , werend, boremally Loboutities to 4 Themes offet thonganization, horas those is and full fla plantfigne, white is alter, which y an endure Ith afforder of the nestrition green There is an increm indemental of Planter actively within Calculan, produces hypertrythy matrythy, In Months at elecula como, Luthing a whater of multithe while alex formeted the murmonyly modified. 6th During Jupin an productly the sameans of the danic about to them of the tepres of The Diseas of the chandre and excitor the sym from forbally turner this an and converted with the jury The aqueous of Hoyaloid humans of the eyer are surrounded by a delicate der ous membrane which secretis Them. In the gar is a terms membrane secreting a delicate limped fluid, which probable the fine nevers. floating is & traismits the impressions of sound.

2". Nutrition may be somewhile by inflammation as to produce acrease or deminution or other changes of Structure 3 9 We have a morification of nutrition without inflammation as Hypotrophy or Strophy 4th Without inflammation a related nutrition may do transform the time that I will not possess any of its Gystefam toper Terous Tipue belongs to the family of cellular lipue being merily a modification of the collection, whereout them enests a cavily closed the ris, then is a derais topue wherever there is a minement of me part on another there dais a dermis tipue. It always forms a closed Lack the It is nearly transparent, of great strong the wais are lede very smooth; A scretes a fluid by which it is beloricated This flows is freunted from being acceemulating by being absorbed. Its vitality is of the lovest order fort may be cut or lacarated without giving fram. but in the courte of an hour after the injury inflammation takes place remdering it very painful. Used 1th Otfurnishes have round flends which are necessar by to the function of a part, as the humans of the ego. 30 of embles frasts tomme or glide upon each other without fiction. The heart's included in a server membrane a moves freely

It is called by stone because it is always a cloud dack The dermi topue is so enjaringed that though waheally martin A mento? but little ritality, yet in miner, oh whos simly them top would with Camits of the Straton to grow a cellule lepier ale of granules I resules T. Myalow repels a compable 3 Spetheline & mort political denotion

but if this membrane be distroyed by disease the heast becomes imbarassed & causes death. The diaphragme which has much motion is covered with a lerned membrane. The pleased which enclose the lungs are derais membranes. The account of the Imale amount of fretine of the dernis dusfaces, the opentimes of life go on without our knowledge fereeft in eases of inflammation of a terms membrane when every movement 3. It gives protection to the parts which it surroundes, The lungs being soft & lone in their texture require this dupfort. The great carry of the abdomen is leved with a derous membrane which is reflected over, & gives duppert to, the viscera. Without this covering in which there is delettle friction the functions of the organs and not go me. 4. It constitutes channels or tubes, which conduct the fluids Oyothus or Geras topue is composed of the same organie elements at the cellular, entaining, Tryalene ressels Danquine capillaries & nerve tubules & along with there more or less of plastic matter. authors have disputed about its mature. Britant regarded it as a mere epitheling His, is the care with the towest order of Dernis toface but its higher orders are spend of possels all the properties of the

O's Arachnood for viviles we title Medicing the a cloud son literen more makes for note & the war is emply traffed fairles the more ment of the train, The broin his a morement corresponding with though supratur, An earily uplead going motors of There vesicles exest in the cellular tefere in various ports of the boy the on, it, funter enspers of muching her I requires a mention for to protection, their niste is or inputary that when it is prosented by any minted that great pain a wheperflood to funteers is the emegine The flew secretity the arachnoss offers, for Me lorn flued I are not congrelate with her which chow that A could le albrimen

highest order of topues. Its office is chiefly mechanical yet as then is often a weepity forreparation, it must progress to disease from the lowest & the highest order of vitality The derais tipue is not every where the same & but exect 1st Simple dernis Veducles B. angeal, ascular, tubular or cylindrical, Septas exists in the vascular displim 30 Synorial as exists in junto & hurse belonging to or alding motion 4. Membranes belonging to the brain sor & eye 5th Membranes durunding the large viscera pertineus Pleura pericardium, vagenalis testis-Glanchnic -The first is not an important gariety. Versies Days that a define tespece consists of dernis resieles felled with fat moters of dernis fluid. These visicles may be the origin of diseases, Duch as wours which contain a Ameenis or serves fluid. The resides chemically on the fluids which summers them, about them I give rise to tumours The Reems Variety is of great importance this the basis of the vascular disten d'claims our first attention in the the dy of the organs belonging to this ageten. The inner Durfan of the heart in entact with the places fresents a server topse If we begin with the Jeins in their menutest branches a trace them into the heart. We the server living extending through

Angeal Tipue of gnate importance - the train of the cenulating append us. We flew how premed cerculation a Resition de his then tens ar vague mush tundristand the potherlyance state of this topens, menute andone al knowledges newpong, As the tality of every porter of the Depends up the Lipply of those, it must be supplied with the flies - it is distributed by the angel tiponer Whereaux there is blood there is a repel of throughthere been emstituted by the thind, The most spectral elementry throught as the porter of contact with the loss, the then porters are dented in their was Continuous throughout. It an elementary topice & seemes to have drilend characters it is analogous + thoughout structure of corners membranes form came to be microscope Dinon "the bement which imforthe latter. Supposed by Buches to he are spetheliern - not levelle - North Jan spedermes a popular retality steering dutyest to disease - Thick in the heart, that with typufaction of expellerers - the transparations have commented perceived with capillainer, I down suppose that Adas into enis there, has the the though the through the topus a water Through the soil, Wearly know that the Thom cerulate a depart chands low that undercannot be seen, It is encederagly fragule the diffing from seven liter - legaline arms siful heale it - the couly unto I reformed; Smelime four spection - a the facting desima or went notically so a some party It putufies later than any Att infine yets myeleten who both (Off poderner) who huntematical o drivi like hom, I the interior of organos, An and chulo thathe has

not their course & continuing uninterrupted into the heart I from thence through the arteries cut the capillaries, which last are formed enterely of this tipue. If we examine an egg we find a then membrane darmending the yolk of in the centre of this membrane a reside which is the origin of the life. This reside worth the durrounding fluid from the proliferous mombrane. Before the enhibition flip in stable to de resides exist in every part of it; as som however as. Vital action commenced, they arrange themselves into makes leaving interstices between them which are fluid containing globales of blood; this is the Girst step in the formation of globales of blood; this is the Girst step in the formation of the vascular dystem; a tamina is next formed, living the channels & emberting them into ocasels. This lamina is an Derais membrane, on the third drawing exhibited at lecture 1 Nov. 18th is seen an outer ring: This is called the vennes cente. The fluids distined for the Support of the embry on do not pass deretly wat it, but Jest enter the rennes circle & from it pass into the embry a by two vessels, one at the hear of the other ats the abd omen. This takes place in the Jomatin of all animals - The capellaries (drawing enhibites) are James of serous or angeal membrane. This membrane greades & regulates the formation of all the others.

is scarcly refaratisfin the demandering liper - Alores its undefendance I seems to Joma facil of the I trustered, but when it pepels for the organs it arguines as a superdante outence or here other topices are about the angel, as the electic felow a this asternal followed musterles is hus so thus former as a membrane constituting channels the bloks The membrane dwells with a apoterale jutt dealer of huston a merhanos duran a from a volves by filt of the mention I the and then of meet the trust is from I'm of the towner from of suremiles beam in beach, the Most in enfort & the aum on Monthle surface of the levy - hit a the higher orders duch a confu tion a an appointer preinceleting for seguind as he on the esterolated each regress has a sold from the the the considere and hentirely opelants by any motion of the commande Howten of heart a artern function of clarter film toping, The any al tipue a smith & believed y specific levelin to a to present fritim - the arterior variety observants a recus while continued from transles, he thream plan of The age convilion, yesters, the angest topin in amongs a some finder With break, folds of the mealine act is relieved, which opened in or the angest tepens or vinfore to a felow wait very elightly clother the news orders with a finger of again entirty to What the the elections - By therebules away much .

Mar. Der. 2: 1839 It is a matter of emportance in the steedy of the anatomy or physiology of an organ to commenced with that portion of it Which is first firmed, as it mid fies the successive Jomatine Thus in Aludying the Varcular Bystem, we commence anth the capillaries, which give use to the larger vessels; the latter being followed by the formation of the heart. All that we can leave of life is the Levies of phenomens & not its first cause Therefore we must commence with the formation of the embryo I trace the phenomena as they ducceed lack there is the progress of life. When life commences the aphendes of the plastic matter arrange themselves so as to form neinoras capillaries presenting a retrealates appearances; in them The globules of blood are first seen of a yellneich colour This reticulates mays then becomes vascular by the formation of a herais membrane, There small vessels terminate in a larger ou in the fooligeness membrane which communicates with the embryo. Thise capillances by their un can from the larger wessels. Which are followed in the being one closed sail of Remain membrane. The capillaries an formed by the sorms membrane alone; but when these wells I from the long womans trunks they require and hand struck

proof qualities is provided any suffered facts-The most influit of this Explein on the capallones - of two fut 12 minte asterno & been in an antermediate set of supels a what the promoter constitutions a return In thout of the progs fort a merentary we how the desuffer anayo onent of the compellers - Necessary blood can befree 1, the meet Jefe - a dent moramenter is hours geteran the dear arteral capillanos, smilton makes a trop - materiality then shit & become enclusion with some But in the will My melt Inea with cafellowers without venns communication tea, capillary reter communication with the sodererth a new there is no pulsation in the capillaines, but the current mones in comtements, energy who the energed is many set the bear on the and pe flowing backering oforoms, the capillary actuals him a Enoughble dramber white unfrom - They amartime & our ify but new Jemush a drameto - Hement vere adour two of the global about the capillars now me that me the orteres diminest a they remipes of the ven course as ally reunti; gastor with the capillary actions - I the extens the Mind more success for the hand of a the bear lowers who has a the applian of constite a Infferently wany derection Imtun ging ound an ester from to the usion of the afternoon It is still a malter of dispute whether there capillanes him a forgor south or one me much a starter with the same the thought when semimble condition and

is order to be enabled to cular the fluid which plans though their On this excessent the veins are durround a soll a februs tepes Into the arteries the blood is propelled with great force & the James Structure would not be dufficiently throng to unsholand it It is also necessary that their impulse given to the blood should be kept up : hence the arteries are correstro with an elastic out. The heart has to give motion to the blood contained in these resuls; therefore it is enrested with a museular cont The Desais topice is the essential part of the system I was through the whole, the others are merly distinct for forticular & partial uses. The Lymphatics are also formed of Dervies tipue: they commence with very menute ramifications which write & empty ut the larger lynghaties & lene are dupped to there are regrette to the are requested to the branches Janes. In the reticulated Structure the blood is placed at the dispersal of the various tipies. They thus derive their neutrinear from the blood which contains the element of ale There topies. The arrangement of this structure deffers firthe different tipsues: this forthe nutrition of the muscular tipere the avourgement is not the same as for the rubotion I the merrous. Jethe muscles the arrangement is Concertioned of melines they are ast wessens, sometimes a a conception from The higher the vitality of the organ the longer must the blood be

It how been suffered by some that the capillary system as the some creye as elea can be more corners; for corn topur this return Deferent to that he well as quantity with san tell by carming in injection of others, touched it belongs -It cannot be deparated from the cartilages on the heads of alsender the trues but is Supposed to there 1st from the act that server members, an always closed such & 22 from the secreted placed on those fortens from just to membran projects who the just welving moto Har suppose by Haver & Aglands renty sproven her colley glandy Harry The Leurs & artines are arrange duck pleasur, the intermediate ses. sels ente a rete or laceurch of speculin from from card fruction they present in with the physical englanation of the act of life Each organ he ets gratures envilous, susciplibilities of puntis I more of mutation & all concert even of patthology much type of the characters funders me the capellanes on Devisible: jut outend when - the 6 sleps, of 18 orders, of the Dete 3 clape, & 11 nois - All that weeping for My Quean is to know the principle without the menute delile In musicular teper their a linear rete - minter large in office Dondritual a serne membranes -

keps in contact with it (this law is amounted): hem the sufference arof Intermediate vessels which unde the venas & arterial capillovies. The Intermed aler Alls fresust the allealated appearance The next from of dernes lettere is the symonial. This is Istely applied & acceletate locumtion; wherever me part moves on an the adynoral membrane is found, Form this the Lynnvial fluid is Secreted which is very efficacions a diministing friction. It is always a closed sack & in a yout covers the hear of both bones the other strateen is fibrow consist. The ment is compared of plastic matter. The third & unnermost exists is a horny epithelium & coursts of collapsio Visieles. The house mucose are of syronial tipue The next class of herous membranes is that which belongs the brain & the leuses. It usembles the first from Imewhat, defering mostly in the Dege of the cavities formed Or either decretes a habitus as is the case with that belonging & the brain or a fluid as in the egg

We have seen that a wrest communication cristed between the arter ces - veins though which the How circulater without distribution The is of great importance or when defat is wiflamed or the capellois" thomas Astruted the blood papel through they ellerees I is thus retained in the anulation - Where emposter totals place in any of the where varian- tollow is this without They are not feed a then Offerentino, they are pary from I strong as It flien while eastern the sign to four of the trongs it facilitates the moviment of the trengs on the heart, his adher, do not enligh moterally with the acten, energy the raphtry from the constation a great frontration is the confequence Them gester organ suffer for the staynotion of low I the heart who sufficient stimules struck outs a the there organs on who day plo with the you have seen this them are whether of your melter surround spermeter thank of refreds, butthen multiples An infinite number of enally ripules wheat cir. culity my the serms proteing the lind, their to appears that the grid fiter of your miller flied - then weeks have as find says . Whefar the organies further of the produ thomalle the week - in the tenys they are corneller these Thereful seemond them, the A appear that the higher with scale in open stands, the greater is the proportion of flued

Devr. 300 1839 The derais membranes of the denses are formers of three Strata first of menute vesicles, fine apellanes & lymphotics 2 & I plastice matter This fan spethelium of collapsed vesicles The membranes of this class are the dening membrane of the Centrale of the brain, of the Vitrems & agreens humans of the eye westing the fresh which the plants of the eye for your tell The 5th Class of Serres membranes confindes the Thlanchmae enclosing large conters. They are are all closed dacks encept the pentoneum of the female which is free ced by the Fallspean Libes. The secretion of this class seems the Oxhaled as a rapour & to enest at Austace with form of der. This prevented from accumulating by being abouted This membrane kassest of 3 Strata, 1th Deuse cellular tipue I Plastic matter 3° Epithelium, The outer coat is of cellulartiface & courses of numerous elles or vesicles filled with a device fluid the capellary ressels of this membrane are denontie & the rette in alorged from I the second layer the Lymphotice a esself are so numerous as treem to from the membrane May aure portly from the offberules of the plastic malter spootly pm the Serves Vesselas of the cellular tipue The nerve whiles have the dame double origin. The vascular straceture of the plastic stratum is in

which arends withwhat his been saw that the titul forme acts with fluid, the ester are the product of the force -Every organ presents the usultry the fore - & chr capellay and Danjimet or the enfrepensy Mot force - Rephyrilique and much truthe Hos comes that every organ is a trotal heir - Weben 6 Elepan of enfollowers weather with the " the Effection & 18 duffresurpeach elip from y'h belief actually M. M. D., the note flower & the organish melle the product alise derves white regulate them none ment - The uplantion of renter by repils, uflammation the sends of one action of them is high otherwise. The return sofen the a physica artin contraction of them ty and is from that they llow may be considered to be Joenes and a a goformer sheet of many thousand fact the artist of orthe form is mobiles a now This minute Division actions with plane which could not a the soup -I my hampand the action of good on an a noticent state If the to draw for the own Arrele lake a long low for to see tak or a then pellede get, but a the lung of and the offact of lightning - He consisten of the thon a com In fally by merbareal means on a the heart arterior on vens - just note - to promotyme attracts the fine

contact with the cellelar stratern The epithelium, which is the inner membrane is smooth I has no visible pres, so that the enhalation passes through by the freess of examines. The The membranes of this class are the Arachurch of the brain & spinal marrow, the Pleurse, Pericar dium. Peritmeur & Vaginalis Testis. The inner surface of the Drackmid in-Gests lovely the Pia Mater, on the outer et adheres to the Dura Mater. Its used are to permit the movement of the brain within the cavity of the cranicem . If the brain were altached the posicles of this cavety every motion of thebody would be leable to protiece concussion: which takes place mly in bevere falls + blows, causing insensibility & Imentioner death without any apparent ugung of the brain. Disease of this membrane offects materially the comfort, intellectual for times, & ofen the life of the patient. On eases of inflammation of the Arachand membrane . the patient in attempting track or on the least motion feels a serve frame in the hear. Portably the Dame expects are from ale so the Spend marrow. This Membane Recretes a fluid, which Majeridie days moves from the brain the Spinal morrow & vice versa & that these mation is executial to the healthful action of the organ When lapping the spinal marrow of a dog do as to let art this flind

Petter in to metretion & refels Nagein - It is probable that the The men of organie as well as unganie lip, defend up allowed prefulsion - x it i for the analogy that the Jones of lefe him him referred to magnetisma electricity - There are with Myriene & Annual fines about on the comming , labor Du n A cazillary circulation, pour which carmet informed & airy known physical forces - her puthological new & then Justical agent must be bow ather forther all highethers found for intraction a infavered reful much be some Portongs Justing are related in cases of fainting by their heis being held have than then bries on account of the flow of this The fint offend morrow the train ? Lynghoties comprised of angual orentrany withour entered members for planes character very them & elightly claster - They an under diffused throughout thing - llusique a Im other Think that omeliques an wholly imprisof the in cellula berrams & Bomes that that they common to for bets in the wellier tifeen, in two forms, tites & rete - (plat of) set in skin) or ffrus for sangueme rete) Mente weekly surprim attruction, This rate plant may beaut in the sign Ith typ flating, is me superfried the Hospigaine

The animal immediately dank into a date of inscrability It is the opinion of most physiologists that this fluid may decemulate do as to produce confrontion. but Majendie days that it does not provide compession, that it and a creenen lates as the quantity of blood in the brain demenishes verce yerra. Mequantity of fluid encreases in cases of, atrop by of the brain. Delicate persons faint when ther feet are immen a for water on account of the immediate dudden withdrawal of blood from Mobian. The dance effect would be provueed by a gradual walked raw ady of the blood if it were not forthe corresponding hereare of this decretion Do. thents or josobable that inflammation of the anachouse membrane is produced dometimes in young Jersons by mental Ants disproportioned to their years Then are three devais membranes in the coverty of the thorsa vis Two fleuros deparates by the Medicastener, & h Pericardium. The Pleance out only a pist the motions of the lengt, don't are required to give dupport to there organs. Then fore they are more dense than the Arachmoid membrane, on the pericardium there is father mos fication; it is reinforced by a films membrane which enables it to usest the violent action of the heart in cases of charace. The Pericard win is a serous back within

When enjets they bath seather welly more an entermined with the most of the former Neglands of up aprene are arbitered. form, but annotonion of interlace a comy grantom - They are funto botto values o leme no utrograde movement can the wheplace through New - When been empretered that the hymphilism her a common request Hoseines refel of the sangur key time, but there is not fullable, the when has anne for the weeks I were the what the upstenter him one show allen ough that the brann planete dege were distribe of graphaten, but the letter her demothets on the organ & they may be land to count is every forting the on continto or the lightater enter into garylin cell englishings They are eno constructed upon, the typotions part that the plants, samply through a again much then cuit afterwards often what the an also furnish with rapids - Mofred The horas is atterme the fortilly annew months you to flew John through - They all terrounds in It barracie and which employed the boffle jugularthough there is an queel commenced between the bear of explorer, yet the a with gaugher for mercing Japonil to effect exploties is me got thep out though the Trues the the afferent red on rufter can't to the function of the segretation together and by les and

a filmes me. The free motion of the heart is essential to its femilies and in case of adhesia. The embarasament is greated the patient usually durks under A The cavity of the abdomen is lined with the Peritonoco to give Them a Smooth Lerms covering, thus enabling them to more without friction. There is in this cavily thirty feet of intestine parted together in a small space. ellotion is neces-Dary frits quantins & this is accomplished with the aid of the for our membrane without the knowledge of the being but hach it belongs; but when inflammation of the fertimony Orcurs, every movement is a companied with great pain In eases lop paretonetis resperation is corried on entirely by the ribs, on account of the pain caused by the motion of the Figh hragm, or that the physician may detect the disease with first dight of the patient. We have now been how important are the gunetions of the derms membranes how varie dangerous its diseases, The derais membracio differes with age. In the foctus the abdomen is lived with a mere coating of plastic matter which invests the instatines as they are developed. From this state the lerans membran is gradually developed and acquires its greatest perfection in adulatife. The higher the order of the animal the greater

The greans of the rams to five store appalgrown a think that quall derepter environ of Hubble letter are Whe who the come of me is emmeted, of doubte dispute, Beforthe terry of grof liter, about tours attachets to the verse; often this it un adontes enclusively to to graphten which were colled abordents, but enforcements Majentie a France & suportity Warland Coates Some this the dikerisse about, Abrupling at empul to any tyle pripels late as perfect of all topsens - Appr thopsen the dall thrimbling - Butthering monthing me; Then in It tections there is a former of relation, they do not absorbe in algorithments from by the proceeding chymiticating, who will the challes from by the proceeding ngester, Golmy mitte somfern meter of mericinal set stances are laker up by thousand of the intertion sat me with the pregnatures of leganglaters seen to that taken putations pregnante ut the enough the after the the land to the the second of the state of the plant of the plant of the planter of the pla 3° 7 The total of efforts matter whether when we there, I clemented for the expressing - They may never other fully hother a me typ betwee, then, tetrule alt of the

is the developement of the Derais membrane. In the insects is is allogether wanting in replaces very imperfect Parthological conditions - There is melass of diseases more frequently met thouth than the affections of the Serms membranes. In a natural state they are insendible : but in disease bensitility is rapedly developed; some times in half an hour a membare becomes very painful When inflamed they beento highly vascular The most emportant modification is inflammation: It may be acute or chromie. It may be exceled by wounds which enfore is to the air; hence the danger of hering lesons carilis or from causes disturbing the functions of the superficial organs frinstance the action of cold upon the skin Inflammation of the brackand membrane is intued by montal too early application & steedy & an centure enercise of the intellections faculties. The acute inflammation of somes membranes is characterized frost by enternal dy motions 20 l, by physical degns, auscultation & percuesion 3 dy By Anatomical digns is A physical or ortal? Probably the In be for alter - What a topower I, what I flower as popular ? what is In former a the transmise phelphating courtes white centrals the fluid he Notes has been des even of ily an other commence - But we seem in regulation the The sop is would with as physical freed the may beduen for knowing

The most important fronten is mother - As son as inflam notes or uses the in injude, the secular is alter & its smooth should not Comeletational Egypters are fishered of the afternation - on in plant de 6 x of the Hew is my prooff, as in pleurolying the fair may be sents in In of the other thousand - the away the fram according 4 1 by proper the pryors between therets - Though not rendelich a cicedaryly installe + pare to wplan motion

Decr. 5th 1839 Partislogists Jonnerly were dusprised that dernis lefter membranes which appeared to be so bettle organized, should be Is liable to disease; but now that we are well acquainted with their structure we can easily account for these mode ficetimes. The principal mode speaking of degais membranes are Inflammation, Effusion & Subcrular depositions which sometimes have the character of transformations Inflammation is recognised by . Physiological digits, Physic cal degres & about mical lesions. The most common phy-siological degre is frain. In health herms membanes poself me sensibility but it is very rapid by developed in disease Inflammation or mor fies the durface that the parts as layer more without friction of the pain becomes acute & lancinsting There is a det of symptoms belonging to each of the different membranes. Thus there are peculear aymptimes belonging to Mammatin of arachnis membrane de also & theat of speak maron, of the eye a .. Tensibility is surfected to be some times developer as a new algie disease without iften mation. I hysecal degns generally are not applicable tall bevous membranes. There are some however whell coult us to debet deserve of them membranes.

Pathological embeters of Angual Topur 1. I heart, of the flow omfortano Grantilimer Most imme enditie called endocard itis - Jemme orunne, defficels breegen a 1 alterte in colour-topospert in cul, life, white is a drawn it is muchaed. Der on willen of the affering in Deception, smeting areing from intolly In inflami, theralms fresent capiller, injulien, although so prometated, when there it care or his months over you may take it for great the the per les inflammation - Planter lymph er also therem certifitue es portruser deve, in chome after the overloans or thekenes - Who see theten of car havil, feels of ches a forthe endure, There anitomical opposition are of inforting as connected with certain degraphing our left or Orleasens then is arrived alexander - the letter truttput or dorth formany or warring the Upine, Errien amount a affecter the values - I am along the seem of who extremition pulsation who the arm in held in a horry order put I per motion than The thorougher will were dutinger -The Mercalian, more in the appearances of on flow " the dearlow apoly to thes of the arternal system - Mus amily on daying fundilety. leveloped, they are from gog erlo, a occurpancy ferror about a flamation o an openion per letter ben put from that theprey to push musty that of the love about autours a great and of february much on 8 is 10 justs in boxo, beflan some amount a left thetings of out a acoust Boilas shought the membrane of the ten diden were seffent their structure, less is probably airin for the officers danner of the blos in the wides

a lapping on the head or a concussion your fair in un-Glammation of anachund mends and of the brain, in suff deslose of the Heura Auscultation & percussion are the memos employed. a dullnep on percussion is produced effusion in the Aleura: If it be inflamed there will be a donned as of the subbing together of two rough surfaces or a creaking when the pleasa is my. In pleasitis there is also asmos of a data of the resmance of the voice, The motions of the heart produce thetaulbeng I own in inflammation of the Vences were anatomical lesion show us ofter death that inflammation has becurred. The membranes become theckenes, opaque I worsh. There are layers or eather granulations Journs or the durface. I me physiologists deny that theaker in of the membrane takes place, affirming that this occasion withickness is frotuned by a deposition of matter; but it has been found to take place in the Plastic Strateum while both the duspaces have remained natural Suppuration may take place, Menatea is of very care Occurrence & never originates in the membrane. Gaugnere is also very rose & is never original officion of this menhave, Inflammation of dernes membranes may be acute or chronic. It commences invariably in the cellular stran tem o Fris argins indicates by we a poto. Hew growdually contend

Ith patient a short a her bloss planners the zenum entains. a gratant of planter by the , Which is definition a think by All pulins or reduced them a mind semme a letter Coupe Besides affammeter, this mentioner is surjust to refleres Firmation of ressels in plastic deposit

and the reduces assumes an arborescent from; red lines are Seen to extend into the explosers plaster stratum & at last the reduced is diffused over the whole membrane (very rouly) When It inflammation goes on forwary length of time and I what persons again derely replace on the surface of the Lernes fluid is collected in the carily, Is the Plaster matter Reltles or involves the heraum & is at first glutinus for it dubequentily becomes From a menchanous of the dearen be highly plastic Avill aggletinate the adjacent men haves & from adhes cons. Of the plastic malter be deficient in the seriem it will from bands att membrane, on effusions on the pericardium. The plastic deposit is made rough being Train outs points by the alternate approach & sepavaling the Surfaces, in the acting the heast. We ned spor first appears a the plastic definit, then Cessels are formed which communicate with the wessels of the adjoining membrane of the plastice matter becomes organized, after which the ned blood desappears atte membrane las et colour. This organization is end find out of the adjacent bessels. There is adout about the modely of the se vessels but it seems the similar to the finales of vassels a the proliginais membane, pluste matter beings always capable of organization

Her may beth fordust of orean or my growing a bles sulgiste aprilis from caller atterma, a marbles syellar offerme of the esterial angual membrane trultpul whether Mh a depoit of purs Henry mentran in Inthe the holder, are plans confiner for the sing between the two control to relies - with this charles to fit fraging ca a consenter . The offerton may be sented the chartend wing the men names from a the arrules - Reporter of the metrical value tours the centrale are offered affected them any other first of heart Allentins 1 th allerder of colours thekness - whitenes 209 of form faller attended yet protest Desturbanes of consider The order being entrated or fiels to eline the Hot regulation of a & Typonial membane when durked is readily united - defect to odinary wiften to thekening for alomie after gout & their ation produce enlayements The kening touch an entered as to present motion, Gonorhoeal wifl " Some times take place in their membranes oftenhang duddenly ceased on it my nul situation. Often affected with asthriber & character wife, we work duelling from, followed, thickening & not infequently deposites of untifeden one presently attaches a growhal will that the theal & bursal - louter melastatu deport of pus in om can without ellenter of members, good. or slight igner follows by pain & lofe fronting, Slady harthe hip & thought no faction included that he renew we all truck though the most un mornion

Inflammation produces different effects in the different Lernis membranes -I'd occurs in the augeal menthance. The first change which who place is in the rete & capillaries. The rete wheel in a natural state transmits only white blood, first shows red of to a then beames not throughout. If it extends to the veins Thebitis is produced: this generally former fatal from the production of pus. & vitiation of the blood, It often recens in cheld birth, inflammation laking place in the vessels concerns in particultion. arteritis os more race than Phletities being a the proportion of 1 to 20 It is an obscure form of disease The membrane living the heart domelines be comes inflamed producing endocarditis The Synowal membrane is dubject to inflammation protecting a der elling of the yout from afficien. It occurs very randy from cold: and is generally love ght on by lover-exercise I'd dan a woman (amilleur, a cons tomed to a Ad entary life I who was attacked with inflammation of syround membrane after walking five miles Partrium horses ar Often attacher by it also soldiers of ter a fatiguing march Inflammation attacks the seras membranes of the Senses It occurs who sapsule of thaquens humour

coplan effection probably commences in bone In flam of Arachond Imelines exceedingly local being end for the upper, lower or atural gotter of the brain Jan a can littly fe while who has for efull for an omnihis the merchan bring the returneds was almos affected x then is great Intervance of the dejection & respense to, Juntons - deserte per pricungartone orene we then is a bry tocking anyth. Thoughter miten high, million him land or down contained changing - It is a very emine orch rue with chiedren - Hatal result may taken place & That by free to fin officer producing compression - Dorth to - gively is produced by Differ inflow within from the low cars the learner thely is assully offered The the flowered is cupio Chan of home, the mintel Junes words Interes, his three fenter, a dyester excey much so, Then know a chronic arachmeter calement for grans, commencery at an early lets - there of his mein my wholente when I find know there they men restrict to propers, alund comback hudusher My det alon us

It also occurs in the copracte of the actions human producing coloract. Glacemais a inflammation of the membrane inclosing the My alors human ir causes blentness Inflammation of Splanchnic membranes. It attacks the arachino of the brain & Spinal marrow. Agachnitis of the upper hemisphere produces delireum, when It attacks the base of the brain, there is no disturbance of the mental faculties. It may be know for the following circumstance a child affected with it. Though naturally good tempered, becomes crop & president & prequently suches from its sleep smeting Derraming out. It will be playing very cheer fully & duddenly on not. The pulse is not affected, Afrequent dy niplan is a blight org enigh. This is caused by the disease entending From to opene & affecting the newes which go to the lungs or homehia The face is usually flushed, when these dyruptoms occur No may be dure of arachnetis & should proceed immediately to arrest it. Leeches should be applied around the bain of the train; this will generally afford releef Than even then Symptons disappear after the loss of a few nences of blood If the renedy be not applied in time the patient will most probably ore -Arachmetis of the spine produces paralysis If it occurs

age & on warmeration Metacothern from conduces of oto I seems refleren ster of the letter they one - There of wellen tomal is fain in the head on taking exercise from about I har they's Jua blush huer bruge hottomme hopemany he son pefects, a bear hel an enemone by juney where from un fortured. Infor that as beaun he will Hen Mut prevents the per moles of the bran : congrest my you for Into Juin - The the morthon of the pin after then will be ifour of back thembs her There aspelle gromani a the over a offertrus -Aflamenter of Hyplind mentran produces glercomer of the muling the time calaracte for the membran of the agreens homen offusion of light in fine - of themen from of Exturences, deapting the pland is Thenkow & to How Jupith therbrotion are inford a happy a Therengen , When Horistan is Thankered & default of light munth drepap remelts have attended miles regioned - 9 leventes abom our olive quell captule Journain - who lived not of march dauger, by when general Tes or . When weather please some, only to letters a entimal mound a the four interes of. April can this I saw progglet me boughered, the power of I when the toplers one muthod or be

in the upper post of the Spine the arms & hear and fectes the head is generally Fram back, if about the middle, the Stomach & lever are affected: if a the lower part the lower assers & lower extremities If Iteurities occurs at the exper gast of the chest the pain is very slight because there is in their part little or no motion of the lungs, if is the middle the pair is much great. as, If the diaphragm be affected the fan is entense. In The last care it may be relieved by a leve of cups orling the edge of the deaphragmon whereas the cups applied about orbelow would be for dervice. I blister applies along The Jame line is also beneficial. Phydraul enfloration is the my means of ascertaining chronic plunts, thepatentheir, and to fin the Teat of the disease, the figurety overlooks Inflammation of the Viricardiene is sometimes associated with pleuritis. It is ftener complicates with theumation in pericarditis the mobiletion of the heart is would to the Invest possible motion. Instead of pulsating with a full Strong action, A scarely moves, hence the Small feeble pulse in this affection If I be my treat with search, June flothe former if well bring a table culer Freem of them is any produsofisation the Dominion

I saw a can fo bog whom mother had gown him a motic cultan ? tie for emblystion, fentonetin fellows; they were ameriland I gree he a med cottante & Argentis return hulting unto. Ihm ven Apyrith a Mollmhure, New I here you a cathete befor delenny when I altered week eus, Martin of the uten a al Americ mustes pulistes I had afternation 1 the collection has use I have strong com for mofules that our is to see though a forment frof if it - Lymph's thouse on a large quartition, I have seen the wheaters gland together in me make this mote rements, baton her proved of the one the aupentines. Ih, the abdrum finfatts quick at the browner counterpates Jan provid & meter , towhint y to fact which cares and of forely dan of the mureles - through mean form from de a proleing here I serve grown progetions to tolother with A quescur state, we can attache the uplamates of the a nower, by Depletin, merinals de Enstefation metable De O to an one frequently res process contights a Mfred agent? muly health - Taespile few is gently thought thefat in Johalamites, I saw a core of dutto for the office. Myenny true in after a art of free of the - Abfran hother hills That the there mus has her a son of White - touten to ofte delen, there is grat from whill girline afen by

Penlmen sulyno Dior. 9 th 1839 to very aute inflammation Inflammation of Peritoneum is smelemes produced for informe to cold, It is also a frequent affection is romen of to porturition. Uniter the latter commentances it Amelines an epidemice from measy every woman who brings froth as the time being affects with peritorities. His generally, however, accompanied with inflammation of the vessels of the alteris Coursely death although the inflammation of the freeloweum to Alight. Perilonitis is sometimes chronice coming in insidious by & froducing afferson of Leven orgas. It physician in then cores should be very caretinus in his excomenations. The late Lady Hora Hastengs was a case of this kind . In Jan black his loss much repulation on account of his in correct diagrosis. moranteny of beleaf of hea programy. A fast mostern enemiciation showed that her affection was a chronice I evitorities, I meterns at hesines are formed without the exten nal symptoms being duch as to lead und to suspect their existence The ment class of diseases includes effusions in the Lerous members a lorsus flews is secreted by there membranes during health why gones diminishes the priction of their Lunfaces. This decretion hereines my much & nor being aborted unstituted Droppay In of the affects of inflammation is an increased sees team the becam gravitates the linesport of the coverty & theplastic

As pelity overlyer affects of abonner Chronic personale is accordingly drown Januar Januar of the cely truth by a nedwork justinan for dreen of his right o the my purpain of Mentilles of projeties, after death i the white men flowed by them It mon sound with Alm home have walked cly britain - employing of him a know Ithroft this leverely works them pott trate, I lim he knew heart out a return with & pain a the high - hade , Any endruly or home pulments un for the gleen to Mobile total of the the same & he by street - 8 Pough 1 eggs that assultation cloud de portunal contratetto ; the abromen fells like a mans of follow leather -You Froping Smitues owns, by which I mere of from withing uplamention are can in met fage -Inon hadring of the must then, the right place of penetoneson we felled with a from lunger flaced. Such offeren arm pour obstruction of assulding inform with on deter of the Morros - Wheathy flow leter phase - the butter alon of phases, it is a proper overcome justifice

matter is deposited as a layer. In a person of lymphalia temperament a slight inflammation produces o espises efferien containing little plastic matter, The use ensecate State Roffes inthe same way . This shows that the state of the lord has a great ifluence a the character of the effection. Im etimes. arthur inflommation a rapid offection takes place, covering death. I'm years ago a patient at the alsus House who has been labouring sufer intermittent, his apparently recorded + Atuno permission & lievo the homes. The day before he was to leave was vory dansp. During the morning he walked about the your dathe evening was allacted to the a difficulty of breating. I'd was hear for but the patient down his last breth just as he entered the rome, Who examination after death both pleura were found the filled ant a class lings Alund assentles, springwater. If his blood had contained the usual proportion of febrir suffammation lovals have taken place; but his blood being them & improverested a espeans Ausin was froduced by the first in tation. It Urster was to relate the case of a by who becoming fatigued while shating had thrown herself a the in. He was som after deged with a pain with somen. I flusions were from affections of the august terms membranes. In one deseared Moheart the Lescon is offered though the coats of the vesse's. In some ences a

I though frenten counts in thickening a Whitevery or the formation co of yellow spots: there exit are thought the potents of opinguation D They are generally folked in the left side. The online may be troughed a to calily when or regulation may grow for the days on how there as the certilegenous the first step of the openies . When thereties are any O, tulever but slegher Erser on is produced, hawhen catilogenous or o proper spread genery much allendo. The Juster time in motion 7. X I Amles A smetime acreto, Imeters Same he saw a D. O. allack on Aryupton of aute arachuter of which the record of horas level for often & in commenter thinks in for o and great the person thus offered are on demonstrately of represent desetations as of a wanty appearance & ones not mly up throling intufueth deles of the rantes - There seem the In the certy the begins of these affection are localed general fromer detected by asiscultation, Pollows sould inductes the land agree of allerten, the filing - oraferes, Donning, a musical ! Is welland that the test to mire water great contraction Then & Sources the comes still regum thing & brevation - The bellows sould is not always attentioned your alleration, it may a to from by arms to crangement of gutteran applied to of Municipal alter herry her total that he had Deren of the rates of of the action, the agentitive there is a though selling some of a his fulle and 120, While lyping of war 80 of the morbid down Desupper of

coaquelem beeny thrown out obliterales a vein & Doppay follows Diffry is produced by many diseases by which the blood is rendered thin & the Seriem is effected. Effections in the different amembranes take definered names, Effection of the Arackerinis mentione is called Hoydrocephales; of the Ego; To good that mia: of the chest, Hog trothoran: of the falt men, Asciles The next from of dream of the darnes mendranes which demands our attention is the Tubercilar, by this term we mean a deposition of organized but inong migable matter or the membranes. This descare in confund to the cellula topu I manfests itself to serves membranes who have a modifica tion of the cellular tipue. It recars most forguest, in the lung first all serves membranes and Subject wit? drawing showing exhibiting a luberclelar definit a the peritmeum, which was as with light colonies take ales 3 at is deposited and or the chithaline The deposite in its commencement is footably microspical During an examination of a tuberde by Bos of school Lenkard the port of the membrane not dupponed to be affected come in our & numerous small aggregations of possess were Bresver It occured to them that these were the germes of the tubercles Tuburculor matter is a modification of altremen. Hes tube cles become very much sulonged & smeteries occupe the place of a levy . The cause of this depost is undetermined. Investing

It may also be from by the State of the blood Chlorotic firms i When there is the passent this armind - Pinny despetterhand aleg 1. of cases, in which he states that out of 50 persons with France of values to the bellows or ourposes down on heard in about 1 in 20 - This a it affers that the Tellows is present when there is allenten in of values & may heatmed when there could witherefore con !! must be greated also by grand signed - Definelt, of rufe o athorstic heather excurred augh, enegelor pulse the This can be pullenan with brut resulfflet, enigh a ing ale pula, hour fenfully action by a slight Indivation - Forum y also say there I have trentino cares of actual vicions of harten on Waland offine from from the andrivial signer as similar of the delated of the uplan of arteries, There is phalities them I de a great dealers to to finaling prede Lymphies throw also a l frequently ladrup the repels a las means in morn & form o It foot from of greenfeal fear to pure from the the been mines will of form in of the blood. It is commen after genter to In the usual course geast ofter ampetation publisher is cares to which termineto Jutally 13 was of the High - Venescelen in and the com of thelites I'd his kennen 5 or la cour of fitte termina else for the sleght gention, attendere were of persons it to wer for her the dutten flow a for 7 5 10 Days - 0

it is dependent whomat Ometernes it is a companied by inplanmution but at other atoccurs northaut it, do wedsels can be traced which & no circulation is apparent. There is generally on accumulation of blood in the rete Policetos by it, which excesses inflammation; but uflammation Amelinees causes a deposit If tuberculor matter while weists with blood. Smedon His general chronic lutio ometernes acute & rues ets contro u a shottima Wordhood memban is sometimes affects with a tuberculor deposit. This was first posited out by & Gerhand as a frequent cause of My Drocephale. This often preceded by aflammation but may occur without it. In its early stage it is commelines carable but if allowed to men on will frome fotal, It may posely recur in the Fer condium, but them ann Forms membanes are dubject to transformation into Films cartilaginnos or observes As we proceed an two fund the tipues rising in instantant We have now come to the Dermon tipue, which covers the whole enterior of the body & gras protection toit, It is a morfice tim of the cellular tepere for we find this latter passing with the dermind & granually longs it distinctive character, It is Den emplicated list to compressed as modificular ofthe cellular It is in contact with the anterior cents & transmits empossions

Can folia, whi has a slight his when you there of I saw how with ofte deont stonely July her alow 24 hours, Horent day to boy in real, puties yours fluis fagues for the expire & the los one get our par y who y Bur breve of inflammation are energy woment they are for sufe (What he her There wert thorses amuels - Ulow What releases and Topland up hunter or owners or different constitute pu 12 home blooded, Inflammation countr before the wither class - and appearance smember sederador is producto, the referes anotomory any 27 / Their say that the puthological conditions organis is or It has fither tike containing of giving Incilian to Inflammation, the first abnormed contribution which altereted notion he have a destyll for investigation mining all ages, get I was a know that we are acquainted now withour than The confirmal fact first runded by Elders. The experiment mude & charles The subject him her hand wrongly, the animals infisemented of Experimenters the elm of themeson agents without reflecting that there arted and & to blow chilf he set of therens, till us that the confellance It of the proper fort continued because the responded an repetited - 1

made by durs our dy Sojects. It eleminates from the assemul sesnoning fluids which are no longer adapted tots suffort; It also gives enet to possonous substances. The skin is subowed with about ent & inhalent properties for substances applied to it find the way uto the cerulation; noncour gases for Harly affect the offer in this way: Medicines applied the Skin fromme an effect on the system. The elements component of are first 1th Derne which is, the matrix containing most of the elements emstetiting its tering its base: A emlains glandular to dus, which leavete the Sminte in the diprofession of the popular glands with sporal mucus on its Lasface, dus orifessus glands with sporal mucus on its Lasface, dus orifessus glands with sporal ducto boding to the durface & terminating in minute pores, Debacears glands, glands terminating in the balk of the hair folliely Und with Dern is the Defore topen from this originales the hair I then det of organs exists along the action despace of the derne produc cing the colourny matter of the Akin, which earsists a small instricted Deales; above there the nerves terminate a conical pufelles finneng a layer. De the whole is placed the epider. mis formed of the hardening of the muenes secretion X The layer of nevones papelle is above the chromatogenous glass whose dents pop through it I beneath the seeles which enstitutes the estructed layer

then are repelled of the flued (assuming office entering by ex orbones, Other tell us that the capallances enfands. They pay us regard to the term of ofserration, I the effect for undly the cerem ! stones in whit the membrane is placed remains for threater. Land me by hear) a hear of 112' infatal to colobboo is animals) Latour Devices that inflam can be produced in the web of a prof. fort, Gendran apesto that belies artereful inflammation, shiffen satem, & Mit he has even sen the globales being consisted into fine glander - the faction you may exposed the flesh of woldlind enemils to retire and propers from places a the world as I no pers our be feneral - Reserven takes place without inflame. maken this semilar to that he tout almost account where the harts are in contact. He then, of Milan Philip this defens bitebaccous glands terminating in the hair follicles in relamining the application I in production, withing in fort - known altouthold a well hit better devery thouthour The hoppotherin by the board, while the course white skewer Sport befor while been red, the a trefarter a Record is the the just is tumpied. a that the thenfunctione is enough 4th. Hatensibility is werend or der light - Waster ham a the results of affarmation let an litera to course . Then who terin agent whit for Durin aftern " Offen for each Mand I they to me from waitly the dam apple - tanklander

Devr. 10th 1839 The Pathology of the skin cutanens system is probably mor complicated than that of any other. The small amaint of aformation on this dubyet is attributable to ignorance as exact its Atructure. Wither a few years fast such progress has been made in the anatomical knowledge of Askin as to make Known the cause of many diseases; but the sknowledge may get be considered as just spening The Composition of the office is as follows. It the Dern ? Nervous layer a from of papilla. 3 Ludoriferous glands with their Spiral deets paper, through the epidermis 4 Mucipamus glands pouring and a decretion which constitutes the epidermis 5th organs of colour Chromatogenous glands seen the down & nervous papiller. In the derson are Cymphotics & cupillaries forming a rete, many of the interestees of which are feller with glands, the glands being duranted with a fin network pressels about in 3000 fa and in diameter The deem is the most deepseates layer of the skin: It is appro cently former from the Subcutaneans cellular topica whenh Gradually becomes more o more dease until it terminalis in the deminalis in the deminal of places interfaced ingovery direction for a terminalis in the deminal of a sme pasts havener there is a distinct line of demorcation between them. It is felrows a to some degree

menter, where each frances a different effet, There a gend win Hanse, but Novelenter defferer, fut go this may be assented to the Deffere of the Telperson - an Deffer Whate induction of human depender in Whater of the proposition of Know a just len a subject to good who has a some of the white Solling termfaction to fig adors for his free commencery in our darks in themmeny of wanter the Market by Horsening beformen furflummation defined upon a efflux of the The party time our near fuluring uftenmation- poeting Por as and the Athentiers of the remine the wither activity of the junto inflammation is abouted - lunar course in Figure to United & Hollow dandons A (Infolyand the that the higher the whality of to fant the great the fline Allow thomas Do denfuature conception in arumals with activity specialis of the Egne of pagneyaling to structure. Morphoton of lengerature corresponds with molecular action where the octimes granteed the temperation is also queted. then inflammation much locally angenorally the temperature mind have be may infer that lyfulyne for. luche action in from on the influence to the plane - the Existilly alor mercaned - When again wiflered the is

clustic, requiring however a emsederable leight of time to return glands and is former of files constituting a laceunt which becomes on mass with lynaphatics capillaces & nerous tipue, The John form cellular arcolor containing the glands & ressels. The dem when
The neurilema loes not penetrate the dem : lutather enterior of the morous papelle is seen a membane much resembler the newslema. On order to dludy the construction of the Shin lake a fiece from the heel or falm of the hand I ugest it. Then Dry it tracertain enterst; until it is of the ferments of the cuticle. Cut a very them slive perpendeculor to its surface & place it and the miaro cope with a calonet needle the glands can be puched out & Porescher days that he has take out the nerves. The chemics Iku is chemically, formed of gelative The derm is Doluble in water hit was aluble in Alcohol does not putiefy wadely + when termed forms leather The skei proseper a certain degree of clastienty, which is much greater withelaw animals than in mammalia 2.5 The Boa Constrictor is able to Devallow an animal 3 or 4 temos it ain diameter. The skin is contractile heave the lips of a wound separate. Sugens should recollect This property when they amputate limb. The uner surface

prevent every element of votabety a the letter is encerfredayly enggento, Then a thousand plenomens of uplan. It with renely be distinct Thenmani, Butherides for hue reseration, mustand Judies redard a menon openabilet here I canter you youth the negligest we of knoping them the laster emiter produces purtulation -Feby. 1. Is uflammation to be regarded Islely as destruction or an a good guttological action set up treating health are we to depreto So, regulate do so fromte it? There question as still unsettle, a Ishel he creased in going fathe but the July the eden his private through the whole agrap medien this differentia un an energy of temprolima molocular action & exaltalin of relat action, This must be in ful time but it is to the whole bruth, The things in The subject has received now petally a one respection they have neglets the excitor of inflam. Interior against spirite is while for in penden mas I have penden pleasoners an developed huffamula the a smetting more there mesetating who artin, there is mothing specific, this is account them is differ. in flow wanter pursuits as the in The a morpeation of with sale whether exaggination - They have been one to be with finality all dictions a the Redget at reflow a few

porten of the Skin is les sensitive than the outer a account enge left pain is producted by an imbrurgeent penetrating from without outcome If the herrous arrangement, Gold contracts the Akin: the Deroa Storere and deste forthe jutin on souther tum for example is very much contracted by cold. This freshafs is altributable to the deminested convolation and desther corcum Stances. The derm itself is almost insensible but the nevies I gland which pass through it are very Remobble & irritable The enforced breakity of diseases of the other is sufficed the mong to the want of connection between its various nerves & glands. He sken The okin waries with ago. In the focties it is gelatenous I in advanced age it is denser & firmer than in youth, In for males it is thinner & more flereble than in males, It is thecken in the lymphatic than in the newward of sanguineus temperaments It deffers bery much in defferent families of animal Packy dermatass to which belong the Rhenneras Dagas In these It possesses lettle Lewis bility, on the rumenantia & Holepe Des it is looser than in the families. The wing Ja but differs formall other dermind topue. The derm almoss disappears & it seems to be a nevones (esfaision) topice It is by the infrustin of the air a this, that they an unfind of the vicinity of Rojects. If the eyes of a lat be put at to it enle still be and atte to avoid any Roject that may present

flemente ginflam 1 st He vital fre beloging & thonganist Whit is the sent of the offertune (earl before them as duline the (665) i the tipue offerted, 3" We must evanion the enerter the creve while he produced the inflorer - Tartular gent affect publisher your physiologically a light the action, to west muntil agent, elization affect the efect nonem 4 the Me Hind mus betile ut consideration - well cam of unflow it bearen more plastee, sarying for 5 5- 10 m. 12 fant in 1000, In accessed insendend court present the same Henry of outland as an wa pletters en volen, but two count blacks where 5th The stite of the nearns power of the part Welson wh eractly what there is, but we are centarin That byance artin is left up a forth by survey excellen - Thus you wer the Alon with of a simple in an in ceedingly smifferalled plan menon, Wahre mb right made Sufficient attainer set and of & for theres of inflan, & I would not give a confusion by the already from therefore in our treatment the must begin , 400 h, enfine - Inflammation is a local what reacher, For a constitutioned an May Orffer a them courses, my time, the besil restendences general of the four is the called syngtometic, Is the me Darryin a there weather, he has to and a purpose to feel feel i tres return Judicin the within

I thoughthe it is cuting different him condition to sealing. I throught it is ensure trely duren its rapid flight. In the lower orders of animals the during the half the adoptates to adopt with refiguration from generals 1 th for may brend of well still frenthe - The stien never the perpresent We more come to the consideration of the newvous pokilles. Unationed over out who the types they twenty in army weather when tritley is high Generally day that the herves have their oregin in the brain I spinal marrow & terminale at the Surface: Int this seems I'm tobe enmens the growth of the never being fromthe circum Jerence to the centre. Ever since Those receipted this chair I here been accustomed to back the following Foction - There are central organs which take cogney and of inpressions dact when them, There are superficial organs which receive there infressions & these be connected by the nerves which transmit these impressions, We nowhere find the Same organ performing two offices & A is all probable that the news fith receive compressions straws mit them to the brain. The late investigations go & conferm this view of the dubfeet. There are been on the sugface of the dern numerous conceal papelle with contiguous bases: but the nevers which pass through The derm cannot be seen to enfand through these populose; sono moreover the amount of nervous telaco entering the derive is nor and freient to form these papilloe. The retina of the age has lately been shows to be a empound structure & not a mere expansed the Optie nerve. It emasts of 1th a layer of globules 20 menuteramifica tions of 3° of clublisher clerations. The nervous tofene of the Skin

for a the Jupon that the Vestmelin of the Geneliful folia of the higher order of areands - The Cristin ducky her calebrates arthur arthur a were genfour, let ers her then what is there Design - My own fewer is that they so andertagy his do with moundanted me, uffarameter froduces but, fever from les author Without North of the as contitutes wand the all a the went to a good of typert pool, yelle and come mulpor 11 the proletale a termind develor, with destruction verlies of the four of the seems to be done information as futer in creation, Certain agents only not the comming a mun the be gotten and of, hower the accomplanted is by inflame mitine a pure of glass who the flesh as in Thrown net by uflain -When the is approximent telames flow tot place - Alof of teper a to refaire, there a accomplished, aflam, you as not tenfound byther wife are & The plante recomme of peats, the server is the brings about, place the parts in one tel doubon inflam & it is accomplished much more county that, inflower, When alcenting though the nature is going the after with rem amount unter the territary opento effection its the first meum - I nomen agust a applied & the oken resented tothe place of the agret is left off -B. In the one can membranes of the intestine of a Julian agriba en entall, bour offere take place & worshe It amy

may be considered apapillary membrane. These papellos are arranged in lines frames of two papellor places dede by side, These muz be distinctly seen with ends of the fingers spalmof the hand Your Nouvers say that they have traces menute hervous felaments into the papillac, but they are not very certain as to the In the oken 1 th forg, falung never what the them, the promised plans of points a anostomore and other formers on net of the formers on net of the months of the other and make on the new of the ments with the other court of the other with the formers on the new of the other with the formers, Ne for other than or or thinks, there of the other with the trunks, Ne for other In the Skin of a grow the deem is very number & is scarcely people me, small specially, hence we may proclude that never of no free pereptible. The skin of this animal ablow temperatures performs adnihity from plenesses, then placing washelely much with a tipulariste The office of respiration whitwhen the temperature is raise to The gray multiped the frager. Rectain degree the lungs androught into play. The arrangement Asto nervous tipue is also very delicate -The Tudoroforms apparates is a deparalet distinct glander lar arrangement & the Leveat is a proper senten & not musely a reparous exhalation. There is cord one of this in The great quantity which is fromes under protecular circus Stances. Temsests of a face asth base of the derm sa spiral and the any from it & terminating obliquely atto surface of the cutile. These ducts whose orifices constitute the poses are of their duspace needy parallel to the surface of the cutie ele. The ducat is enstantly escapering from the Shewight is crapsruled so soon that at earnot be pericined. It's the spend from I the duck of ets obleque termination wheel gives the cut ele

Enjerten or influention popul also prevent absorption here thome of it when Jeason are opplied to a senfuce -Here we have no differently on Discovery the Design of inflam noting But the desfither (to called ufternation priggle as, the courting causes are der unknown, may not the air so beath the poals on bunk Mayor a wal enter The elementy our doubty Now is it that epedenies perall - is not. In the arter wholester to seem The Felders agreed -What is that aphyrecean toleador much in experience is a the home of ferme when It when I enably What are no men of one, Elementen we april notine & the relience Land of the them shell man endant to, The come out the wheater of rates has been bleed people on thouse att of marine define experteering of white time them There means; Hely 2 Engesting This term he beton exceeding & common - Whetes the notion of it? I am Despos , 5 threat this the time assignition flow I engeten are with without any definite maning is in derica for congess to heap light a unapplied & thousands pullelogues & abollation of humanos, more to a collection of the Mr ohner to you that angested much take place in the capillaries; but you have of senses origination; the minutes be the Africa of Astrondon & and of notal action, Juins).

the appearance of impermeability. That there tubes do enduct The discar is cortain frot can been seen to space from them The mucipours gland are does downer hat different from the Rudor Junes, I are each surrented with a rete of minute vessely Ther ducts are nearly diracght steeminate at the outer durface The derm between the lines of glapille. The dultariferous deels.
There tubes often compy a insculate the Language or note terminate on the ridges. The muceforms glands seemle a onnew Grming a layer upon the dustace of the derm. The Ehroma tozenous gorgans have been described by Boreschet & others. Tefts of aumorous fine capellarus cute these glaceds The France of there of their have a common termination with thought the mention the fland is respective. There flands have arrived house answering Freels termine flands have the melegis is always mented with whenever maller maters at the propella tacties. They searche the a premention in the form of & cales which being united by The mucus form the rete of Mulpighi. The scales are achieves by offering the cuticle in water & breeaking it with an instrume the different races, being trafegorbal a the whites & spatulous a Moblacks . The and of the Ocale is colourless but the free cope is streated & colonied according to the case. The Dem with at visels & lignification, is exhausted the entite transported Or that it is there deales grante polour to the skin, also Gughi I, amy the term rete led physiologists astrong, they duppering

but produced but the is introbates and disting by conjustion Arterial angestion may be proserved by obstruction of the rapidlar Il thos with peat is accumulated to the atimes him with apell builing stocke, as in uflew of tund & uffen floring Die attorate that we are to look for the lessy sangum in julia, wheath effektelet, you purtolis eathers in any one buyour annot for any built of time, the purchase ther organ must be altered, A ceases trecein The proposalfley of Arterial the to agence at les butryer, the fruite being armelle the dept will van account the nature infortaine of that organ Ith have be theret fit, you put therfore, comme de the facts of enjested for organ are 12 on further 5 the says of things of the annut of engrelion & the enfortance of the purchase Empoten may prime injurious look to altotracting do much from the unceletion alg surfered way the furthers -Conjudio in an offent; of what cause? This is the most one pertant from I determine or afor it defends our treatment, Here we at one get unt a difficulty, As for as he can observe that is my under I inflammation - you cannot inflame with ms injection, but in many anchances witers of wift amjusti of the Step, Not bettermen the conjection, There is while The older wester were me money or afters, a dudle more ment of the Hond protes full of the Man, In now of me

that or must be vascular, whereas it is vote of vorcelasity. The chromato-Jennis glands are very vascular & receive the terminations of the capillaries. It is wither that we are blook forthe colour in influences; Longestions. The frequency is according to Breschet. Hountry in Ber lin & then here made enforcements absentions when differ a little in a front higher allows the epidernies, in fabrille white actour, elastic The Epithelium which constitutes the external layer of the This is emponed of cells occupied by a nucleus which contains a puncti. Jom Granule, The Epithelium lessons all free dufaces & all the canals, This friend in the alimentary canal & all the larms membranes on the enterin of the tody. It is dended with 3 kinds I entain a kernel & granule; from the epidermis, & the lining membrane of the remmencement of the nasad passages, must pharyons, various some flatteres are the surface they become for the cells of the surface are more denless to glendrients of the passages are more denless to great are more denless to concal Epithelium; the cells of what are confirmed to 2 Concal Epithelium, the cells of which are emital, existing the stomach & runs through the alimentary canal, Its entro with celia. Whech are four harrline projections a autorious of the brain & m macons membranes grandly. They were first diser-Vered in the Infusion living their channels & giving motion to the currents of water which concelate through them, by which means usprovalin is accomplished. They have a motion research bleng the waven of wheat. By the motion of the water through

Who pule un neteral, believes under cerebolony estron at, metin her flex was flexible, at the next minust pale at A dame time that the cenceleter for suffly went in regularly Fryuntly you seen conjution to her release by a slegt of flow of the fre humaninds, Luntleman applied with thogy tom of the land apoplery I hanto him 5 holes before fortyme is, It refer to further only alean of his ceredical agree Such lost fells a dengeler levister at thound of to some, There's mony him tomper your his nonce alarger ablant offeren who to calle low life had the flower & he are trate. Howthefins - Now we are to swort for their charges? I think the must go to the across destine We reco the flush of sure or recelement to the Market more of the insulations of frame I'm see a A destendance of threwow ighten from with treday I fill the never is coursely execution of the confiction In gaughenrie system frobably andrals The Systerlation emperteen will be from the white and all up to your lenie System of Press Cold . A girl a thoughteres home butto to morning of menny of von stans states at town a shotteness the an vego outs supposes a offreper of And, I wo with for, I found by for fly only be multiple I put win sun wifted Monther than The I putter

there animals, neclations carried on a the feet has exerctions removed What office they perfore in the brain, now brombia de is not known: butthey are found in every over of animals & must have done Pheific purpose. The ciliatory movements continue long after ofthe membrane has been unover from the body, when until descriptular commences. However here the soverely of the meine makeline on their place, and the meine makeline on their place, after le meine sous x colours de le place, the place of the place of the colours of colours and decles & muces of our new be correct the diffrence mestour of races connorbeth exect of the sur, it is sollabetable to a different Jonganization. The seen may docker the other in a messure but it does not alter it ergangation. Whites who waids a Africa do not become black neither or the negroes love their colour when brught arrotter clemes. The colours fall animals & regetables deem the produced by dealers: The hetterfly's Wing ones its hues to them dealers Inth Chrysalis State the Wing is a a mucus State det color is them regulated, Nature then may be daid Expaint in mosaic & not with about The colour probably depends when the form of the dealer, the report ten flight through them grows use to the deffent of trives The colvering of plants probably defends upon the same arrang ments I there is no difference in nature between mucus apres than with grute griantity of globules on the latter, thomeres con my of albumenus malles with a few globales surfied on the

han hum sand, the was relieved & the Hood commenced offen for the fire here, Hero so a care or frake and That is the maluson of engestine fever in some cause ! bleen that it is intermittent fewer, for thousand intermitte that the geterned, the important to pokered the return of Therfun oxyam, In milital whethe there enjesten in these cares cont I ou a gentleman who we sign with a coloruf & Dies introlore has the truth ofreeing from his lungs been perfectly orto Me namination often death no empertion was the detected The had before under good defrefren of Gents - 9 mas there cares termed empetines are not so, may not the measure. enther cares art by desirrying the function of the going han system ? The a a political grade emportained she must have the fullenam of the orate to better the Dathology of - Significations extension 1. Alterdams of from delatation & thekening, can of thomas such a lignification of to estrembres delete Throughout 2. Contraction of calibre or can Japullenne The merrors and 3. Wounds comain office of a lyngholotenic in fluiding -Juffarmentin, the may be of the Genary keed & now pm mounts grower or to presum of months matter, the lysper arteron frespering he is non comme in the purples of law or the lyrighter thurshow Sthan is even some white

Deer. 16 th 1839. The disposition of the rete is different in different parts, At The ends of the Jingers or differs from that into other parts of the body. There is an arrangement undowth cutiele, another around the belacens glands & yet a different are around the muciparous, There is svidence of this in the deference of the secretions from dif fires parts of the body, as fronthe genetals, axilla de The skin sperfom its Barins Junctions must be well dupplies outh bloodress; indeed there are so numerous that they pearly enceal the other components of the aprice & almost form an excelle tipue. The embeten of the lordressels morfies the properties of the skin. They are the cause of the difference between the love glatty their fan invaled & the higherland tunged Okin of a healthy man, It is the blood seen through the transparent Ikin that gives the beautiful ned extens the of lips & checks. The Capillaries terminate in the derine at its outer durfaces los do not freme it, whereas the by miphaties lie on it reter durface render the cutiele. Tiedeman in pected there lymphatics by westing under the cuticle a tute with acapillary front which entering one of these lymphatics the menung flowed readily throughthem. South injected them from on the unes surface of the dern. The lymphatics have no onfices er per a, for the finest expections cannot be med to pass through them

control of agriffican inflammation as district for danging a planementer, the lyngster reter Leave, the rest git it arries for good her a under fle portion their swelling of her day he as ridnes a supporation new take place; you may be decend to a fuler of flustration of leavings of mel crash as the junglion when nothing that lynght traged with love, of your mohe usen application your energy to induction & face Much bruging about dufferation, I have een it needs a the addressing it properly rever in nech a may may orner by light better outfalo of more supporter, the I som ands about this mecant of dige of pres globules -Therfin dereurs affect byoffeter system, Typhile affects the plan, Tempela have facturalen tendenny & allah Comptetis Johnty has at organ in this system; we are not centar that ling monification of the lyngh when place & by to other, good for their fit the garegies are not all perally effected a sorofular -The boundard much dis, then correctly, merentine, inquiral. This is according to Antral, Growland that fourth meretice mapequety affected the The cernial tancor als affects This tipme when my premary oh it, It's my infred trang to for

They form a network by anotomoring me with another -The Skin consists of 1st The Derm which is a Jelsones tipen their of the skin in Buch air glass but news which is a Jelsones tipen treng vascular of a Popullary Newsons Membrane & Papillary Newsons Membrane & Papillary Tacties of Jumes of conical populos ant contiguos Cases, It is covered by a kind of neurilema & the cutiele, the batter bearing the Dame relation 5 this membrane Restat the dura mater does to the train, the formulang analogous to the fria mater. 3° Sudniferous Glands which have I can already described in 4th Sebacious Glands opening generally with the hair files but in many cases communicating with the sud referous ducts as nothe more services of the month 5th fingerous or Blenning enous Glands Recreting the muches what Jones the entitle 6th Chromatogenous Glands are hick uniting with the magnetic Jumsthe cuticle 7th The Exidermies or Cuticle. Deen duig smit.
Thysiologists this is in Atrataen to These cellular. It is constaully thrown of from the dupace & can be sen a the Daliva in the mann. ng in the from of scales & sometimes globular. 8th Wascular Copillaries & Rete in the deven & at its enterior duface. G. Loyne photies by ong in the extereor surface of the derm & in contact with The Hunctions of the Aken are two by Eccations or Eliminatory, & Secretory. Enereten consists in thoming out Dements already exists ing in the blood as the exerction of wine. The glands have little onor

Porper function of the ohen 1th It's amongan of energland or clem note 2°, acome frente 3° prenoutin guml defense 4. Min thereby a general adinfilam There's arhelatin pro all arumals every the bound order a from byshother, At for the letter of me consults contains pech Mind & warm atmospheri excetes perspention, women on still more

to do Than much strain not the flered already existers in the blood A Lecretion honories not to be defected in the blood; bution James by the secreting membrane for evan ple the Semen, milk so The bile is for Nably of omed by the lever from the blood which is Autmitted to its action - There may also be Ime Hey gosmetre, or Electrical Junctions of the sken : but lettle is known of them _ Perspiration - The Skin is emstantly Dubject to an enhalation from its durface + at all terms there is an inscribble persperation given off, which is front by holding near the sain a notis, polished metallie staface, which enduses the bapair a habight day a stephenton makes it apparent. When the perspection is produced rapide It appears on the Akin N is there denominated devent. The appearance of densible perspiration depends upon the Rygrometric condition of the atmosphere. If it he day the devoible perspiration cannot be protided without much exortion. If the air be moust the persperation will be Remouth though thereber but lette enhalation. I went is an exerction & not as men eraporation as is shown by the different quantilies frodered in different states of the body. The production of awar is one of the most effectual therapeutie operations & nature often temente a disease by means ofit. The Thomasmen Practice is baid who this. They gradious of this practice however use the same means

This was Sequin's method Panetrous telemete 5 pours a day, vorin others, 52 min 30,40 on

of producing persperation whatever may be the condition of the body Whereas dofferent states of the body requere different and often Sphoute moder of treatment in order thinger about-I went has been repeatedly dubjected to analysis with various results, which might have expected from it vary ing and than of the blood in different states of health, the character of the inges lacte aced, lactate phosphate & carl of line & Doda & many Mr elements, It contains no used which is a characteristic element of wine, but its ather elements are with this encep tim semilar to those of wine, when the devocat is not elemi noted there will deman in the dystem, unless taken up by The winary excellences, products which are unjurious & which Shoulthave been throws, off, The Quantity of animal matter eleminated depends upon the state of the atmosphere, the injester & the State of dealth, Dalton as utacined this quantity by weighing the brog at two different terms, also the ingestion & Ato excretions of altributing any lop not otherwise accounted for to the perspisation & pulmonary enhalation. The amount of the latter was determened by per soulners the man in a gum elastic fac with a month prece, weething him allowing him blocatte a certain time & again is eighting him. The loss Juneight Should The am aut of pulmoners exhalation. according to hem the cultureus

Dir detunter with materature restraus enterely. My Mysel andulation, cots vertrams a effectuelly the votale huter carlonin and others odowns, also mirroung - god a Horishy Je proon under solvation will be assulpanied The break of a dog upter with phosphuretto other unluming

exhelatin (amounts to 63/4 numes daily fromich 1/4 03 is guhich ther is II by the shin & 7 by the lungs. The greatest up is during action degestion. The least at its commencement Dis influence to, atmospheric pressure, If The eraporation of the perspiration regulates in a measure the temperature of the total in the thousand the total in fevers temperature of the total is but it is not the order more of your cause for in the ests stage of entermittents the Addin is dry There are two kinds of evaporation groupen ver, the Physican & the Vital, The physical is owing to the dumindity a provity of the shin states place in the class as well as the living body wis merely a coopingation of water, The Vital enhale tion is confined to the levering body & contains around metter The Juntin of the thin are elimination, sensibility & absorp tems - The object of the Quest is to depurate the blood, to thomas not there dulstance which are ineafable of organization is which as free gu bot is would be productive of injurious effects. all then substances wheel at the common temperatures are gasens or vaporous, if artificially introuded into the body are eliminated by the Ikin a lungs: they are water, nitrogen, phosphorus de also to volatile sols. Those dubstances which con thus eliminated, are exectants of the exceeding organs

La 1

I we use Them to produce per spiration. I'm suppose that morning is climinated from the dyslew by the enhalults of the shin I hings. There is a particular relationship between the deffen ent excretory organs, e.g between the their & hedneys, in warm weather when persperation goes on freely then is a very Abeglo Secretion of wrine, but during esto weather affection the influence of a fever when the persperation is diminished or suppressed there is a greater docharge through the wiener-Ty organs. There is also antagmism between the muenos membranes the this thus dearrhoed is frequently produced by a suppression of the perspiration. In chronic diarrhoad & dysentery the Skin is Dog, rough & harsh: This state of the skin being sufficient to inducate there diseases 8the pary-Rician . In cases of droppy the persperation is dencinished The blood regions a certain quantity of water in its composi-western provening the think the place, a quantity more or lef than that comprised within perspirative gange, being Sufficient & impide or duppress it. Every one is aware that in warm weather frequently the Supleast of drenking aglass of water will cause a copious perspiration - on Thurs whichave not Very extensive ofthe give rise to internal inflammating; this is not so much avery & sympathy as to the disordered state of the exenting organo & the consequent want of depending the

Persperten dande unto action of frame - rective agreement a certain degree of otenuelees The pulse at the terms that develeace devent a talmit to com on is fall sift of her a presidence mythm, Three beats no certain order of the se repetition - Implimanting the law a end west opulled, abouted, and fre an Infrepo - serveleter Infrerente - muses a mere leakage. It ento source of destin of the heture-I have writtens feelers who true downton it is also seen infainting, four, Here it is advantance of photoing or om as Aputeur les durant the cerculation reduced 2 the flue, also in collegend the of Wholesa Austin * & I I sur o can of a muse where perfection was de feter that he previous on together to he are down from every brandy huma weather to be his been admitted, it office to for the gland around the arress.

blood. The dangers of exauthernatures deseases are partly attrib whatle the affection of the skin The Junction of persperation presents dome dengular varieties: Jome persons devent only from the palms of their hands, others from the orles of their feet & other from their axilloe - the Swellt from particular parts is sometimes very fetid. Mis is attribulable to the set accour glands in those parts being affection The fluent in there cases emtains an oily matter & assummin which give rise to the odour, when applied to by pateents thus affected take care how you treat them for the suppression of this peropiratem maybe followed by disastrais emsaguences, Odornes batts are the only remedy which can be used without danger The aweat of a healthy person is alightly acid. When some cating is going a rapidly the okin becomes turged with blood & the padse is peculiar being what is called, a rightmee peche; the first pul-Dutin is weak, the Lever stronger of the ther & Still stronger than The second. In some cases the devent besides having a feculiar smell is also unetures; this is the case with a sweat terminating and intermittent or offerer. The passine dwent is very different from that produced by excelation of the Solien. The latter is cold class my & relaxed. This is seen a cases of fainting, and of the sensation of deprepen orteror, a phtisis during sleep, & a cos istis choleson Perspiration is supportated in the cold stages fall perons attachin

x Acertain legrer of concelement is neeper of the touthering be about or below certain best perfected for established X An allenin epidemin persones in Tearfor calles Inestern Juneaux, the puterios flates a a few hours, the must onfleeffful weatherment in homocapotters-

all cases of reaction prostration which are Ble followed by a reaction It probably depends upon the nervous depression - As a general ende here cares the Ikin is Try & color or in some cares there is a passin such The plan of treatment in there affections is & promote gerspiration Ha persperation can be longhis on at the time that aparoxism is expeter will geneally be presenter from recurring -Secretions & exerctions only take place between certain ranges of temperature: hence in cases of high by uplanmatory fever When the skin is very much heater, In caling is produced by cold applications, In cores of nervous frostration stimulants have the Dame effect. In many diseases the direct is faculiars on Egellow perer the devent is axid, an enferenced person can detect it as some as he enters the rome. In rheumatic fever the Devent is also acid but differ and from that of yellow fever. In typhus & laphond fires The devent is feter . Cases of blood, devent have her rested, as a care of yellow devent, occurring when the patent had taken whilest is longiquantities. On ear itself sometimes constitutes disease. Inet with a case of periodical divents a companies by chille- Thereis acon mentioned of a nomen who freesperds somuch as to het 20 sheets 1 25 minutes, I few years ago there was an pepiedennie in Europe growth afrifure sweat was the principal symptom

Nort functions colored & muches secretions - spedentially being come away & renews

The Secretions are colouring matter, muches & debaceous matter. The colouring matter is anotaatly fealing of strong me newed. The mueses is a secretion and not an exerction as it Count to detected in the Moss, so also is the coloning matter the mucious glands smelines, fromes a vitiatio secretion as in Setting Dis, wwhich the okin is covered with scales appending the ofafer, Where the name, a gentleman near this cets is thus effects, It whend ctary in his family, I metimes they prouve a horney Lecretion, Isava Dailor who had two horns on his forches in consequence of a syphilitie effection: they disappeared after a In cutimed application of eacestics The Chromatogenous glands are sometimes in a mobil condition. Albinous are example of this In then it is of the colouring matter is generally anested in its formation, wheelies the case with most monstroseties The Debaccous glands secrete an only fluid which keeps the cutiele in a flexible state. They to not always terminate in the hair follicles forthey are seen with glans Jenie when then distanchair. There glands are smetimes vitiated & beerete an offendine matteri a gentleman applied time who has been turned away from deveral branding houses a account If an effection of this kind. The was very clearly staking a bath I wong Jarg & yet the Offershire Smell continued. Iknow an remed, forthis affection. This citiated secretion is gleanally from

The shin a not the enclusive has of remiblely. Nor the stycking I will to the highest degree . There i spine offer for The bram street has no secretility which show that it is not the sent of the - Tursibility may reach the april centre out being transmitted to brane until feauxing elesation I Auces spasmotre moments - Tensation is dealed in the bein, Lenschild in Mapenfolence Systems - I'V Theates clar thele Halls they of a Distinct enerts metry septem as usely I depenflumes, General devisition her for it apparatus the ft 5th full the a potential fend never there are likewise spenfice fundamentalities - The continue afforties is excelled mut action 1 mg enternal physical agent. The some care or acute that this suits & bulation face - 2° h, interne caus 3 4th by America agent. That of their he apparently a sensibility of it own - Prop which measureth reverlible of offeralpeters of the - he put two of ent on the point of employed of offlied that to the Coffee, The centility is envirily as the relacement And two sisteres sens tem can be firecered a there is a gul a thoulepachurette adgleum - who he lost he have - defen mile & real betate, he there alone remaining herful -He can a retruction or of them the the mind can be I well !

the glands about the arms, Im elemes from the andlary glands Nervous Papillary Membrane - Soport of the oben is with not this. Smodhlety is the function of this or gan - Sensibility I densation are different. Tensation is complecated with sensitity In sensation the brain must take cognidance of the effect prothe brain as regards ets organ & comains after the brain is removed and and and the brain is removed The impression fraduces who the organ of sensibility is conveyed the train by the nerves & conscenings is then enquisant git-If the impression produced be consigled travel to nevers centre which communicates with a musik the lafter will he exected & contract without the intervention of the brain This organ is no more an enpaisin of the nevues than The rete is an enfansin of the corta- In the bower animals Then is mly densibility without consciousness. They have are nerves & this Stherle Structure Jospepses Sursibility. This again is independant of the brain & nerves of has its non When ments connect townth is, Is is an element of the function of Levesation -Tambility is divided into general & specifice. The latter exists with appending the fingers - It refer to however in different parts of the book in the linguist and the book are the lines of the book and the lines of the book are the lines of the latter are the lines of the latter are latter and latter are latte as Aport harry its porticular sensibility of this as another en come that it does not proceed from the brain. The pain frotund in each distinispant of the body is peculiar to it.

a gentlemean from Mary land applied the with a seven pain confund to a zone passeng oromo the body about the height of the diphoid costelage, There were no supraftons of inflammation It was frequently released but returned again satters the fraters Que succember but through the means of imperpion wein I me law alme The know when a source get of the orbitation - of the take af I to but must he wellest him efter it - Her name is Legge To ridgeman & your las on ancesille to be suntill felico a me Low of the body, the the tream encedering accete a grabby fielly un from a communicating with he central a less to I flow of unting on he check with her fugues - After this the and rocas - fort or any on courts untin his laid . The blue can Destrupieth colors, there a horafrety in the cely who loty depries of eight end whethe colonida have - he Some persons the sense of touch is dull-deter probably a the sien The on from Bu to much more enfact us deleste operation then there a the sensibility a dearter the Ford, the which is can good any they do long on he was should attende left of a who sindilet, of feet is infained the Jerone carnet wilk in the Souls & I himself is an austania of this a faisibility is sometimes or much

Tensibility may be augmented, diminished, perverted or de-Stroyer. Duymented densibility without inflammation constitutes neuralgia, it is unaccompanied by awelling or a change in the ap-Jessana fthe skin - Other It is persented when itching is producad. The occurs in sme cares as particular times, Amelenies only Juring the winter, & motiones at night & som, in them cares there is generall, minute Devations on the & kin visible with the mieroscope - Imeternes Sensibility is destroyed on patienter parts of the body, it is confined fragmently to a few Oquan inches Deer 19 # 1839 absorption - The animal economy derives its support from external matter intornee a with dysten by the process of absorption. This was were duppned to be performed by the veins after the discovery of the lactuals absorption was altributed Arlely Them, May endie first called the accuracy of this Orien into question. I mude many experiments on the Subject which is weld to detail, It is now regarded as a proper ty of all organic tipues . There are species of absorption, mis semple inibitition, a kend of capillary attraction which is merely a physical process & common to organice & unganice matter-The other species is exhibited, homechally a organic tiperes It is beauchy possible that fleedo should flow Through ressels

augmented that the contact of clother course to born - The is fline enfined to a small offace. Imeternes to a more igne - Pontino is or ferfecter, white give one to hallucenetions or fale perception probably sented in loan - He deren of brien which the deal of sensation from hellementines of all the remos - truck - Softs hearing -The gour Reformer Lether her an bellimination of truck & sight A things that he touch I daw the Dearl I did constant contesrevoies with him - John a care of a ferm dust enerter , who in them but consulsers by the application of any thing cutter whole or bother then the hand, the John of duspose - Drin good illustration of the refler action of the nerves-

for a membrane not more than 400500 fan inch in this kneds The property by which this aboutton takes place is turned endormosis, this is dellustrated by placery as a veldel of water a poston of intestince or the membrane containing a small quentel, of muchagenous fluid, the water will flow into the membran I's a tute be wanted whit the vales will we in the tuber to a email rable deight. If the mentane containing muchage baffaced in mucelege the water will flow out: This is terned examples. The conculation of plants is grobally affected through indomissis - The opinion is general withregard to whemat alongs But then has been much soult about cutamens aborption Tequin from his enperiments emelecte I that there was as such thing : but his experiments are leable to great My ctions + I men Students of this others trok what duliet aftermented a it Juste a Thesis which beened to surlan the views of Signin They found that temperature & some other orons liqueds were Abortion rapidly by the membranes of the lungs but morting the skin D'ellerfrey of Donheist has shown however that, though turpention I smugthe ils are not aborter by the skin, of the fluids are, particularly on the inner de de of the Theyles dassus Though the cutiete is an impediment to absorption it is not a emplete barrier. It much made more permeable by chemical + mechanical means, Baths offer the cuticle & cause it to dwell

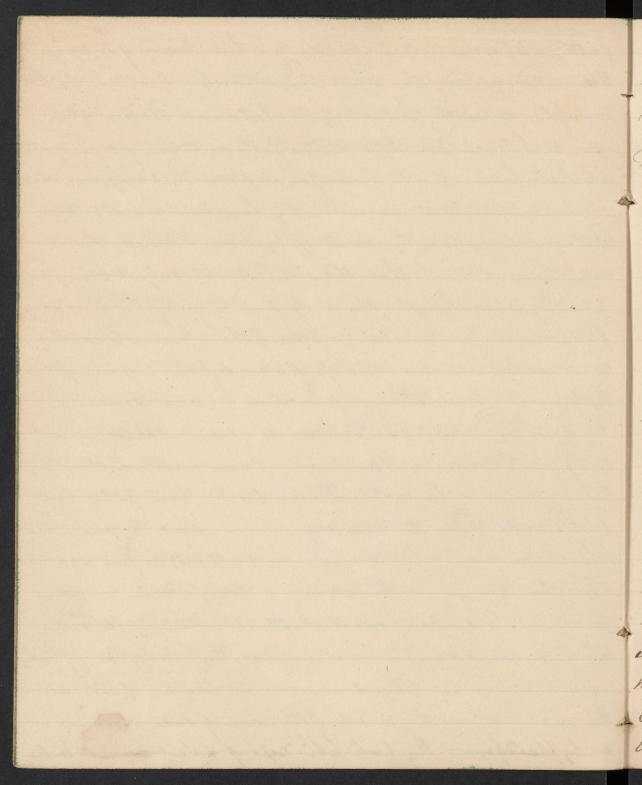
x When wholast was opplied allogen of planter of gave no intreating being absorted, but when bath were and I was detected a the universe I I thats it settled that altho the then enseweth the spile mis is not cafethe of very action absorption, but still the furtin out treeton degree -

Poplets , the brught into contact with the rete of serves refulls -& in this way promote absorption. Bathe impregnates worth is in I many that dubitances make an unpreferen a the system, being when the active ingredients belong about of the body Friction from tes absorption, To the hos shown that many Autotonies maybe made to enter the dystem by being welling them in the dakin. When the spidermis is removed absorpthe good or very readily. Under the cuticle are layers of lym-Phatees which alsole rapedly substances applies & them. Medicines are often exhelited by applying them to the other after the remsval of the cuticle. This is termed the endermie mettor. Painia morpher a brucia postuce their effects with anystem as wadily When applied to the order as when entroduced into the stomach This method is very advantageous to her the & tomach is not in absorption ceases - Very instating substances and prome constitutions of the a state to receive the medicines - the other is sometimes offend when the opplied by pretices from 8th applications minines - I me saw a ludy salerates by the application of mercubial northern & the eye for about his Tays & whalf : This certainly emitoust have a eure of absorption by the lungs -The Pathological Helatins of the ske ar meadings complicates & numerous. Most specifice diseases of the Idei assume a specific character, who, they do do, her been a purpline - question to physiologists. The forms which cutamons diseas lake on present artain avalogies & distinctions, by which the

* We have many ressons for suffering that the external Joms of entancous dereares obspend upon the composition of the Asis + the peculiar grast of it affected & not upon the internal disease. Direases of the skin may be donded into 1th Odispathie 2° accedental or Lymptomatice 3° Hore connected with the course of internal affections - as a the concentration to In his citil, ascertained this colonel out to up with land defin or surface as time of compling various, causes this tabout other Replantos removed the fin appoint here been deared, affection In Lever Exproduce lettle or as a first on the constitutional affection Diseaux very defferent in their genelaction Judicion demile affect

may be classified. The notes forms of thise diseases are flow fruit I by febrile symptoms when they keen to defend: but the Same external appearances occur without any filich Dymptoms, I'me diseases fresent many forms, In supplies there is nearly every from of external days ploms as nurbes, en consation, vilues, pustates de la Tersfula also presents many esternal forms. There is another concenstance which had us to suppose that the specific from of the declarenes offerlind depends who the composition of the stien & not whan the function character of the internal disease, sig that we can produce by enternal applications the dame Jomes of cutancous affection which are casered by internal diseases, In study ing the diseases of the orkin we must earry mer observation farther than the mere shin, The form of the deserve depends upon the anatomical element affected, which depends upon the nature of the internal disorder; in ome cores upon the state of the blood. In the same affections of the vision difference enternal forms of disease are produced a different persons, Is that The casunst determine the character of the disease for the appearan Ith insplem. Patients on often released of an emplea on the Ohin, the disease been transferred to it from the interne organs noture in this menner affecting a cure. The plan of treetment fourts by application of autimony, Oceales by Choten det on thus establisted Raches or warthernala do not run outo me another has enterine distins thoughout their course. Altho the recular rate is the sent of affectioner all of them, yet They line each peculian characters - Every diream is dutues at interim enforten - Fortill, at Morama time the muenes mendranes in Simlad, affected. There cannot be squames of course his the Deffered from gracker may inish a Now for Dette cutonen affections affect the termenter of the decen I I of thinks that the quantity of the implie in serdation is not are industrial for favourable termination - We are anapart of represent to here we make used colo springing whenthe then i very lot male for allused to yesterdray the offiction the. Iken probably is the same of many of the his seemsony Deposption, It was Janua army the Ants the orineral treatment entirtled very much the employ formale from Morbitely attented where Europ-The resultry their Arentens is that the colomical outment a mest them empline - a when the formers remon At Men in former white - is this a lefe practice of the enference from form 150 t 2000 ares er a fame. for you In not however defen the patient by the means, as heall of the The Alteria dypuftour as in emploish small from the treatment Leins to topen to nortality a toprement the deformity - I I has the stay me care only, him plead with the office of I though the can stroly was an unformerable an

Inthe relief of an internal affection. and here Tream you to respect These cutaneous comptens which are established by nature for the I preservation of health, particularly in children - Nurses often gun t cheld sen from lettle suited for the mulation of their of their of their articles Thrown off a the form of an emption. Such emptions shows as be middled with, for when they have been removed the child is not unprequently carried off by dome whereal disorder. and Thave observed that those which are dubet to exceptions generally pass through the early periods of life without days The follow are are the char empliers of the I dein - Exauthemato or rashes - uniform whole of stain or patities of wheep They terminate by resolution, des quamation or (delegues em ?)
ryppelos, searlatenno de 2 Bulla is a veriele cultiminer a Serves fleted Anews a Pemphegus. I daw a las with Whom This suplea was congenital. If he willed his has nother how a hella would appear the ment day, he was about 8 years fage When I daw heron & It had west from broth. Of the force applied The thin was greater there ordenary a blood, belle would fordaced. Vesules as small elevations enetaining & dopor Orust & smetimes by deliques ann - I a Danina appear with I the commencer or a the middle of the course of some directes as typhoid form they look leke trops of for each beauth touthe



I kin a are energed by a their cutiele. They are not however peculiar to tryphoid few, I saw them in a case of tubercular arach nites - Pastules contain purcelent matter. Regitalation Decr. 23° 1839
The character of the crupter does not always indicate the nature of the disease which causes it: but there is a connection between them I. I Im diseases from a certain eraption which always altends them: while there are the descares not analogous to them, which protect the Lame emplin. There are porticular diseases affecting the selaces mes glands; withour affections the polones of the hands & order Ithe feet not entaining duckglands retain their natural emdetim. There are many emplenes whom appearance indi cates the nature of the internal disease. Teaslatina is That we in the treatment of there diseases allow them to run thito course or shall we adopt measures coloulated to dimenish it we aure it to disappear ? Theires at present weach doubt a this front. In engerfulas we en dear our to remove the culanenes affection of belease that the disease is not aggravated by this treatment. In seaslatione cold applications are mude the rath when the other dyng lous to not contrains ical them. He searches are um being

Unticaria sometimes nos dometimes evhile un lattercare render al I preton - We can produce executions of thinfentis means the rule favient In this effection

made with regard to the treatment of the emplear of Small for, Da Garfiel has made many experiments a this front & he has found, that by making menerial applicate tions to the king or some othe empline appears & the chance brifthe disease is certain, an aboution, we for In end, & dudam ina only appear instead of pustules. The disease do for from being aggravated by this treated was apparently mit. yster. The disease, in the cores very about 403 ram to course mildly - . The application which he made was calmel made into an ointment & spread on the Skin The emptions which depend upon one or two elements of the skin are definite : There are of nine of this character 1 to canthenes - emsisting of - a general rednep as in dearlatena, a local reducto- ensipelas, or sported - rosesla & measles: and Ametimes they present miliary grains -Though they belong to one class they differ. In there there is no alteration of the structure of the Sken, no modified secretion from the glands of the their when pressed with the finger adderness its notical colour. In sear latera Thedurface of the Skin is smooth & the rete Leems to be felled with blood in engelelas There is an elevation of the Akear of 1/16, 18 or 1/4 of are ench The whole dern appears to be affected x not the more durface as in sear latina. The capillaries are affected as intranthon a too

Mynamic below aripically who we apply resistances Way And be a morificonsecretion of the muciparous glando? It is singular that in luger yorter altho the Jain a unterne There is " ar constitutional excitements. The Desear deems to to be a constitutional on, the ampter comes not a news its energy of 8 or 10 Days in Afrite of you The pers in small por is sented beneath the cutiele. The surrounder infer-Tyenes probably realed in Retarens follicles of runn parts, back of face - Have have a follicles of hair - It have a matter of for armend - Henry a large a large a matter of for armend - Henry a large a lar how in it centre

generally sometimes below are formed 1 2 - Bulla - Areccuso in Pemphiques & Rospia but is O mentat different in the two diseases: in pemphigus it is flat & in crustes, in Hupia it is rounded & redembles a rescele It seems to consist for Secretion of albuminous fleur which raises the cuticle-Respon register your deeply thur pengly which sections and analysis to hallow but smaller country the effection of series un der the cutiele: occur in some kinds of herpes & washingles, in the latter affection they cause a serve frain: but are not attended by Jever, Tadamina are small assecles clear a limped of the of deze of fear a head of a fine. 4. Pasteles - These contain, new ally, pur from their commencement, but sometimes contain only seven at first, as in Variota + vaccinia, They are seater deeper than Besieles, extending who the derm. In some cases the deepseated glands are affects a this the more Superficial portions of the derm. In variota if the cuticle be raised the pers will be superation the it & the Dern will be found to be covered with new spots. Report we heet the pus is fromed is not determined _ on fimfetego small have Questules affer which afterwards from large seabs. Echthema er a hord purtule followed by a scale & wheer atem. Havus resembles a honey comb, from which it derives its name on these different descares theparts affected differ- The purPurtule may be fordued & Testange autening - entirel & unulling monthia -

tules of variota & vaccinia an Superficial & nother the Debacens muciparais andudriferous glands are appeter. Haves is an affection of the debacenes glands: on the scalp when there gland, terminate a the hair follows there is always a hair in the middle of the pustile. Pustules may wist with dern itself or in any of its glands. To long as the cuticle remains is hole They retain Their publiclar characters but when this breaks Deabs are formed. The Papuloe - Small elevations hard & firm, which pro-duce etching. They occur in strofulus a desease affecting the months of children - Luber entecorius attacks grown persons Afroduces domuch itching, that it is almost impossible to restrain from stratching oneself. Prunigo is very distressing particularly when it affects the pudendo of females. The itching a this ease is so great that they patient cannot sleep & produces enlegation & emaciation. Those dien cases which arts more than a year although every remety rous tries. When enamined the parts appear to be netwood, but up a clover inspection very small papula may be perceived. What parts as affected ! May it notbe the nervous papilloe. The nature I the affection which is an altered Kensibility Seems & authorize this inplaseation 6 Tquamos - Scales - The cutiele is the part affected. At

Migrois a Duenviles as Jumarily leated in Monneigarnes glands Shick secreton mortis muins, here Mostfordin of the witerles. The Chromotogenous flaus arealer affected other secretion arested or marges or whom in on of the grammes affection lefton rulgaris It is increasingly Portunales affearing every write to in every intropell usually found referms who has a vilente show auturely - Wherley fels ptyresis, pomesis -Interder of them commence in dem & grantellarge from great definity- commerces as a small clienter & althe end pass reliente & sufferentes (Elephantian of Greeks) Leavel, know in the eventy amount or I America - Jose are offered Where whole the an over with the takents in a emineury state - Ne bell att wir -Tupos smooth of thesam character tuturales a chokenate Just talenten du ancedany, offende comeste oucarint Boils or Furumailur belogs profeel, & cellular office what hiven nes & Storps 2 occupe thomps then I when him - Dirmy am for

first scales are formed wheel roop of algave a red mark. The J. Mars tumors, such as boils to funnacele which commence with cellular to pow & intrace inflammation of the Decr. 24 th Specific diseases of the of kin. are then the effect of one action? is a question which his perplexed physiologists -Moget attributes them to inflammation. The same act will forduce various phenomena according to the elements action upm: but the I think is not dufficient to arement for the difference of diversities which occur. We must explore that The act of inflammation is not always the dame. The states of the Akin now in Acadatena, receota a engapelas are very different; are there then allferent kinds of inflammation? They are prequently spoke of as distinct & the probability is that they ando. We do not know what in flan matin is: many ofthe phenomena are known to us, it is true; but its essenteal character is get the revialed Unte we do know it minute actions it is impossible for us to art serbland the diserse as presented tous in mafe -The very demplicity of nature confounds us, deferieux fels being provided G means do similar that we cannot destine

1.

draw a distenction between them. The men disposition of wer Alls in an arbrescent or reticular form is deffecent to pirace the most divisified exects. Until all the phenome no emmedio with the Tunctions of the various organs an known, we may look up mpethology as a romance vue an not to consider medicine as a science already known but as me that is dearely developed The obin is subject to common inflammation which may aura form various causes. Hant will forduce bulla, erythema, engsifelas or gangrene, Cold will prouse meanly the dame effects, which may also be coursed by Malignant pustule is a disease of the kin which is Common in this country: It is not noticed by the English winters. In Saissiana many parans have been destroyed by it. It cauled not in their cases he attributed & thounds day received a defecting animals as has been down a bushe It appears in the form of a Jumple surrounded with an aresta & is attended with interes burning like that pro been found affectual is caustice applied to the part Poultices produce motification, Carbancle is ad escar of the shee sometimes followedly motheration

Carrier affects the stern as well as other tripues - this of several Farilties - At seems to blank for a germination assile - developer. by Jordentin of resules - Our count of a large resule of a smillion a germentine point when develops itself the avecule of mes Men, There the defference between causes cell a normal product that it is not limited & theretal force, it not enfined & very type Enchantomer or contlege comer in of the structure what must in Ashelity to poten quelding Amorne 600 Thurshe andy comme productor to competer thatis @ whento or and attendament; Wary Upe - Concer is copolle Their product in any topue whiteren Nurves affection of reusehles John Vices of emformation acquired a impendal - Ithyris affects epidermies ir always enjunted - Normy promition - Glerasi affect a Jednessy mother of a geller coller a Alberian Colour is also modified by nitrate yealner, apagining a claticolour. I ha know for 5 cares wither country of permanent discillration -It cems Mollus cum compulito offulin - amount com withhouse - Noever ractions expeller, anadomois

Suphilis attacks allfasts of the body & is accompanied by Every from of culanenes affection. It first appeared is a cutarienes emplem. Tor fulat is a compariso by many forms of diseaser of the skin as tumours, Aquamor se This is subject themorrhages, proving petichia stili ces which seem to repend on the State of the blood, Purpane affects the museles, brain & every other organ. It is an oxed atem of blood from the sessels into the neighbouring stone ture, It is owing to an incoagulable state of the bloods for in two cases terminating fatally I found it scorge late. The densibility of the skew may be increased or diminished. This modification ombines entends werth whole body, at the times it is amfined to particular parts. That apatient in the alms Mones, one half of whom body was extremely densitive, theother half being affected is on Suporte manner. Modifications of the Ameter of the kin are smilines conjunital, Sometimes occur subsequently to best - The Derm in some cases is highertrophies, as in canoroides, a others also phias. The vascular portion becomes hypertrophies giving rise to ansuresm leg anastomosis. affections of the culicle are Sometimes engenetal, e.g Jethyosis which is generally hereditary: then are families in Europe who have been

Sundry to the development of any an element of the cellular lipes a lot meens they an all developed - All membranes forming canals velices courts communicates with extense one muenes. Mill of aprich color contains a great dere of their an clothe & nasular, My are and in monthalety 6 m elevel dayroe. The mucho membran institutes Hongan huber an accompleted to presspecialis of dyester responden de . They House musy penetimon comme got his afenfa fronte which more great the It cloud worth who will the Mum Men county 1" Spathlun 20 Granggrows flat mitter 3' A seuce alon retory vegels ancisco 4" A deen strateen correspond & derm of them called, and the Asulmuen celluler typue - the energy one day Joseph trelloder topur, it must have in wonder the day of American marchance

Thus affects for devenal journations. The colouring matter is Amelines modified as a Nigrities - blacknep occurring in Europeans - Talande mentions the care for lady whom face I hand became black on the latterstages of pregnan cyp persenting a black face on a white neek & seturned beenered their natural colors after a profuse sweat which was adoured. elluenes membranes These possepall the elements of the cellular tessue viz (Aplastic matter,) lymphaties, Languine capillaries, I neve tabules developed in the highest degree . It is the most emplete variety of this wave. The body has been empared to a hollow cylinder, the outer duface fromish is covered by the Skin, the enner by much membrane The Muesas membrane had been considered legome as a the following facts are infavoured this pinion much & much & pass from one to the other dean be readely injecter from the other the other dean be readely injector from the other dean be readely injector from the other dean be readely injector from the other decens for membranes, when enforced to the air, as a cases of protapaus ani, resemble skin ithe latter also when firthet of from the influence of the air is a measure assumes the appearance of mucans membrane, as exemple fier by the Jolds of the skin of fat children. The mucus membanes

1st Alementary entenders for month to arres - lead Into with (a) hueal & verytypul intery & confusion on free by Garton musous ment, Junter or all etrusten where fuf Juntens (c) Chephus or withstend pollow called for Jylon refere + who () facution much of lays whether There a deferme of presenter on all the Just of neufrety adoption ut anarymus of the trulene 2 Kupinting (a) Some (b) Largupal (c) truthere 3. Glandula Defetie, orliver, unnary - contribute I Unto genetil Afford a mile of femile in definition 5 - Mammary mucon new constitutes bull from buts. Alementary Chilleun of anytype & mouth is apparent & though - there The puter county to detects with difficult a Nimets of welltelle compre of results moner less dentito & alto enterior flettend. It can be penews a thing, as the hum people with murous mentione the have changes . Epsthe sale a a to surport illucous drembane Spenting The arjun of regitable left, all the operation of which are consider as though the II name popul, the much mentocene of much be enjute as the tracked staffered or intuly Any, facts recoveryly houlthy gen on have of dreamer

of the barines organ parts defer from each other bothermay be would to four clarges or divisions viz 1. Mucous membranes of the digestive organs, 200 of the pulmmary organs 3' Thruly the unsquital organs & 4" Those of the lactiforms duels & mammany gland. The mucous membrane emoletules assen tially the digoster apparatus, the other parts being merely accepting - Various functions are appropriated tothe different mucins membranes as the degister, responding as The deferences on their membranes are not the consequen of any variety in their elements, Intaure from a difference in the arrangement of these elements, elevens membranes consest of 4 layers 1" Epithelium (acry delicate) 2" Master layer 3 deline we of ressels & lymphatics 4 Dellula Sulstratum antaining the Blood repuls which dupply the other Strata of component of Brown The mucas membranes of the degestion organs vary is different facts There is on arrangement frothe stomach, another forthe large, & a those for the small intestines, Though The other organs also vary be find the slightest mor peating of this tefane Sufficient & produce very owen defred asult.

to Nomer autitles & thornait of him full -Quillen be probably playeauger sondered the a usenhis -Alemente, driveres mucham - breeal & veriftagral - arting for much to carrie of atomach - to polleum of Poplant fund - com the surface - storms & the nother igo Ahr un aserlue - is deletate of relli - Moffin of the stante is deplutition which als regues account, frelatily affects efetthen & lebrests with mucons - A stenuty toler & drubes Jep though the wet Between, it willed as and penelin me. men is Martineline a commentaling of rand - The occupy supel a micail eyert for asterno - No Imachie for determed - told from inflammation of the membrace - vasiffye ! te de Mangagetes - alterded with Dunkage of mices a spellition halo, who the off In endenne for ometime their is a different onety fatings classely developed posselection todayour buy the render rans - which renden depletion in fightle -The seen too can of droll proble cause - no by who has much Exhibite of petupa - to When won for the Carolina Amount want of epitheleen Ifam tobe plan atto who will of John - Whates am terms boundate myself, is a thought lite (rest trachetis) the way of truly then is & opple tout application with a loge house how found - Interton and some always lete your polices that have not get

Jany 2° 1840 The mucins membrane of the alementary carried encenter the Junctions of digestion. It is autject to frequent attention & the its minted changes present the most common froms of disease. The Mucous membranes are but little understood but a set of minute Dernations is mon joing an with jugar to it De Horner first het upon the proper mode of enamining this membranes, This neceptary truject the vessels of the ment have in order & study to minute structure. The pleases of ressels when not injected resembles an assemblage of febres that heer describes as a newwo contilut of has been Iham by afene injection to consest of numerous minute tu Octsels. The dubmuens pleases cannot properly be one-I dedered a ofmming apart of the muens membrane, although in it is necessary for the functions of this membrane & exists Wherever it is found. In every much membane the pleases this a freulear arrangement. The M: Membr: of the nove Thus it plenes garrangedows in gones, each your hoving a I distinct disposition of to vepels, In med then yours are placed the follieles which decrete the peulles mucus of the nne, Guillor asserts that from the lips to the pyloric onfice In of the Almach the glences is most easily enjected from the extenes: It can be injected from the views but with deffeculty;

well and me year - they all creatively worming for bet or - buffyer of haryon aler offeton bandle, scalatines Monter - by no near unamined must be truther or other whenter Ulius la Bouter orcer fordus queld formly of dy latilie - 1 Stomach - The petition of veriftages partially cons of carde Julion strack in the & the hog - in the home the whole " comed - in the grammiamon animals you for a soft of think and it ut two in for moverate and with fullille the other not the count - for a stought the now court dyers In therementation the stands of and with Three electrice with epithelium, purche mounter - The family the the system stomach I is not then are - In the cetie to though is completed a division - 2 mainting them deget ! Olmands - he the degretion Itement the spothler a or believe this oligh amonopie pour is rempany to setel ihr Weenly vays that its alimentary canal strong that it is small the much some such that it is smaller to thing apidermes to the commendation accounted to must bloke for any ceres stouch The mucro must be with of the las for A french memories moles intoward reach mall infrie ofen Bisch of -Il surpful yester the log refuls on his a supply rete. A vertical senter shows it to much lawne with

Whence it appears to be asternal. The please of the remainder of the intestine can be most readily injected from the veins, Which Ihms it to be bennes, This may have some emnection with the functions of the parts. To this maybe attributed the free guenny of venas deseases in the intestines of the advantages versiting from the application of leeches a the intertenames The Mucious membrane is the essential host of the intestine It deffers a the deferent portions, being snooth a the stomach & colon & free from vellosties: but from vellous from the Justine onfice throughout the I mall intestines. In the mentanes If the stomach a large intestine aufound erypton, which an little cup like cavities very vascular, They grows the Simplest from of muchos glands, This aristates abouture is not empined to the stimach & lange intestine: It is only one-Spiceous in these because they expect from ville. There enjota exist also in the Imall intestine: but are one all into of the willi, by which they are concealed. In choles the ville Alonghang of the membered the Inull entestina ther recembles that of the stomach - The ville on enall elevaline living the mucous membrane from the pryloci orifice & The ilio-creal valve & are found nowhere also. They are omale expendence , & emeal, or elubohated projectems: I me are straight & elingation, others flattenes

Tod) of tabula connected to the blev ontremety & ofenny with another - they are clock just together a contaction flus. Thetone thoughts of all arrance peacet the array mul, with Just to the water new while to much even he his to in more complicates - between the grange a coop is the proventurales or true stomat by miners follower earl please bere wetrilly a elmach with the smel tutales ofening into the he the minute dimiting the stomate we we agranduler arrangement, or that the time new of the short or that it is a bellow membranes glaids The is the true glandels structure. The arms of the lin is a they me that the termination of the for bleame - The al, Infor a brefaches bythe ma viles organ -It struck is a bag . Is opential constituents to the gestion Church mentione, A munueler structure cons their to endanted with John - a a state of Jessen then In men It think a destance of flation of the almost for met Daft lity I to poor how thouseful throughour wit. can dyspefine & punting to domant. The fruit of the Strong is elegunification of Unlittered Jack 9th 1840)

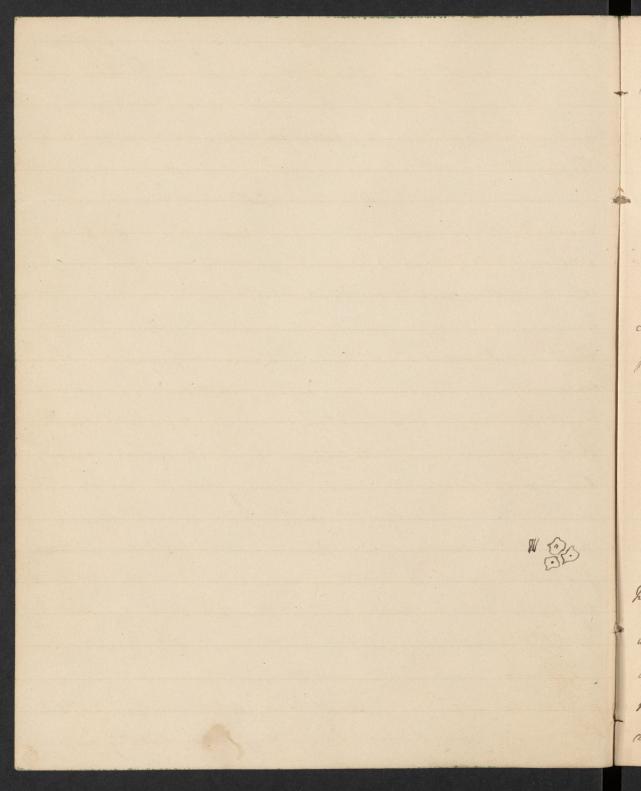
When injected they are deen the continuous as to their surface & covered with the Thinnest proseble (dernes) epittelium. Borries refresents Them the exceedingly vascular. I Thomas defens with him putter point, Bornes has postably had better opportunities of observation & is probably right: According to him they have a large certral vien & their Desface is covered with afeweret The blood in them is next er deed elly conner now artercal his leins to be un degoing the change from the latter to the former The vessels of the me can be feller form another, They applear to be united by sulflastic is covered with an epithelium quilles assests that what an called the glands of Brusner are not glands, and only appear in certain pathological conditions being fromes by the union of derival ville. The says that an injection deparates the ville the Suffice of glands disappear Jany 6# 1840 Willi when enamined after have their lymphotics fills with chile: there is also withen their admall carrity which entains the Same fluid. From this it Leaves they perform Smerfin in hylefreation. Chylefo The ville exist in the high rder of mammalia, some species of hard, & a few feeles Chylification however takes place in those animals which hant the ville: lence they are not execution to the procep. This rather embarasses us in the Shedy of their feerelie

The Poletan glands Graffen for Porumos a been on cular, Whiter being solid a prod granules

However withour animals what an esthout ville, the muenes membrane corations many folds. The lactuals anapiarate in the ville & cover them with a fine rate. They commenced with the volumes contres of the ville. As they do mor exist in all animals there is some as to their being the enlever abordenes, At lactal fluid - They have no external opening as was formerly suffice, the dustace being entenwous -They glands of the mue: men: an of three kending Brunner's glando, glandula dollaria athe glandorf Peyer. Pommis glands are detuated cheefly on the decodenum. They are amall papelous elevations, having an enternal onfice which communicates with a certific every, They are very numerous & constitute about of Strateur. The glandula solilaria are small cavities of apapulous appearance existing in the small intestines: in their centre is a small orifice through which by professe a fluid can be expresses, queller days that the desseriptions are corner dunding to him there glands disappear when the maines member is injected. The soldania an the product of disease. I do not however agree with him for in every body that is operated, are fories Moriennes, glands a the doletaria. In the lower past of the small inters Ines, accordingt Towners are found whetest clevalius which are often enfounded with the delitaria! They are ende

Bein aprete that they are much acompagation of glandula extensive they are condowthe willing a se much of charten - according to me they are orter, to other ontain a flet but they have no enternal ofening -

Dacealse anthait any external officing & contain a whilethe fluid Poyers glands an entuated in the ilium, particularly in the of the massertery: they are generally from or al shape adoptely clerates above the darface of the mentione. Their was are unknown a their structure setall undetermined. Decording &theferman observars they have a . Runface formery a patch whiter than the next of the membare - Free with the microscope, they apresent the from of whitest circles Janounded il framina. For more they are generally they fare flattenes, a drys & some other animals accuminated. When empreper, no flies enudes esther fronttoductaer or from the foramina. When riptured, they are found & contain Head gregish fluid, interspersed with globules Amaller than thou of common muiers. To aum assests that they the Same as the sollana & that their greater dege depends up ne the ville betweenders them, quellor days that they deffor from the rest of the intestine on account of the greater thanks mip of the cellula coast & ville althere points. As there two diff for the thirstmetine is tell widetermined. Twomldrather religiof the german Than the strench Arerows - They are prequently found in a mostro cultim - wherated & having their cavity from : this has lad to the dufforeten that they are similar



to The follecles of the intesteurs, Buens thinks that they are always our also in many other diseases. It is not be supposed that they are afen teal cause of this disease, on which smoother to many organs Epstheliem - It was fra long time doubter whether the entertines were level with an spithelieum but it has been demonstrated by Neinley and others. It takes The place of the cutiele a the okin. It emmences at the lift & may be traced throughout the alementary canal be coming themer as Areed from the month Is is not continuous let the cutiele but is constituted of numerous partiels placed dede by dede like the bruks of a parement a preents different appearances, in different protions of the intertines body. Meplastic Attelien is found atte their consisting of several layers In the alimentary canal it exacts of small cylinder arranged like basalter columns. Then extendrical Acales have a granule in their centre & are attached by the Smaller end tothe muenes membrane, Theapprarance of this mealeurs led to the dephoselen thus they have were perforated, they berry covered with these vaales the appropriation of alimentary canal harthere seales are arranged a strata the some dispression are round, the superficial platters as they approach the durface & deale off. On ome fortines the efa thelium is continually scaling off was others it only pealsof apparticular Jinots. Those seales constitute the mices getter

No apparatus hister distorned forthe production of this fin-

from the month at morning, the peculiarmerens from the nortrels: the lease carry them of from theyer: They pears from the entertines with the forces - Their deposation is dometimes general thus on the first week after barth the whole spettalein of the enterture seems to peal of St the menstrual period the durface of the neck I couly of the ations If the vagina desquamates: here the white discharge which follows the catamenial. afterpas-The functions of the much membranes are general & Specific. The general are exhalation, whomphon, seretion The specific are chylification, Inymore when The funct. Entolotion - The mucons men as subject to a general perspiration, sullar takes place from the Skin. This is Aservable in the condensation of therafour contained the ass freeders from the lengs. The quantity eneraled from the alementany canal is smeternes digreatur to cause trate, discharges as in Serms dearrhow & cholera: affires it is felled with seales fith intestine for much willie. In cholera the mucimens is entirely deprives of its epitteleum: The bring being drawed of the water Which extered what empordin becomes shrivetted of the blood Hagnate fromming mechanical engestions. I me medici nel substances Jeg. Daline pargations, promote this enhalation

1 len Tu 1

I are therefore not to begive to debilitates patients. We are nor acquaintes with the inite of forduction of the flies I count Dagwhetter there is destint offeration for it or it is enholed ly enormosis 2 Muenes secretion. Wehow said chove that mee cons is forms of desquamateries Josth epethelein ; but there is a somewows seereto independently of this, besome show attributed of to the follicles list is found with autrem highmonianum, enqueles & the parts when there are no follieles, Dis for Bable That meens of tiff parts is But the same Jany 9 th 1840 The mucus from different portions of the alimentary canal is not The same. The mucus from the mouth is emphilo of deales from the Spithelium: At the spithelium is former of polifforens layers the mon despected being somewhat cellular & engoved of scale fa globulor from , In smaf catarohs there glibicular scales are thrown ff . They may be Atames by Straping the longer with the finger nail The mucus of the intestinal canal seems The Recretio by the follieles. It is a semitoansfarent visced of Assisted when flouts when a water but a some cares sinks. Its quantity is increased un der dome excumstances: also by certain agents ducher dome fargatives & of calmed & alses, which never from we der mes dinharges The enhalent & decreting Junations accomplish Bereal Bects

of the first place they protect the membrane from the aggrapion of freign Butstanes & remove them from to surface. Derid Substances on preva The framemengints contact with the membrane by themeens & removes by an entalation of Serum. They accomplish elioninations: Juties Dato torenes efflusia inhaled & aborton the lungs are disharged with the mucus of the intestines which often gives of the same Smell: It is a this way that protoca ething produce dearshow a Appending. They also frequently for duce araccations for the when of certain diseases finnery a crisis There al Functions. The mucous membrand of the alimentary canal is endowed in particular parts with a special sensibility which does not belong entirely to the nersons system. Wehn the sense of touch atthe top of the tryer, of laste on the tongue * James, of this in the fances, of hunger with stomach of a desire to warnate the bouchs as the anns, to forthe mucons coat of the tongue be destroyed the dense of taste well be lost. In a healthy State the sans atim of hunger indicates the want of ford, that of theres the want of drink, butter maghiperverter by disease, on one cares their is a constant Sensation of hunger although the stomach is full, a sensatur of thirst immobiately after trenking. I me met with a shes I years oto who had never felt to dean to consenst his bounds a to whoma sever impossible to convey an eden of sucha

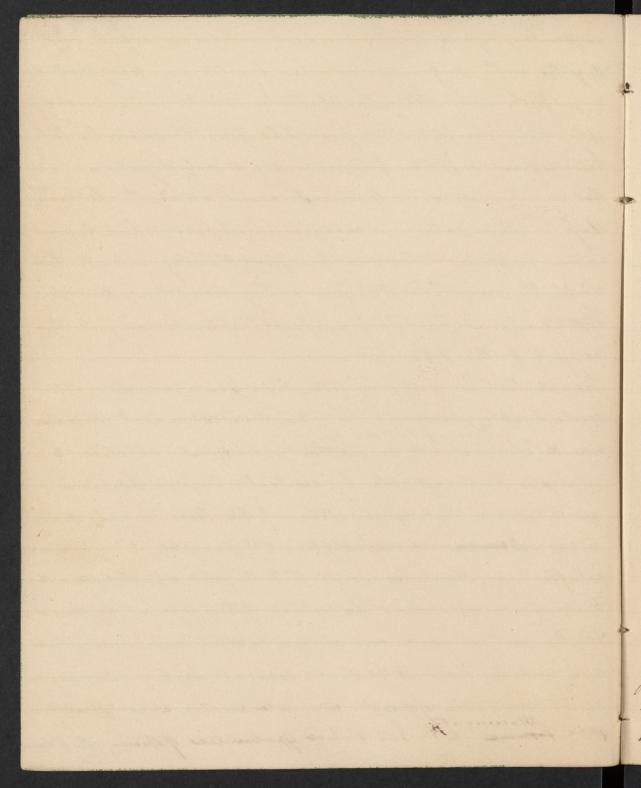
It un ascertant of Tredemann & Jonalen Has offer dejuite flind un only secretion own to formule of matter the stones halter neetation or Magrideneses is time, Munder air or attymaple agent North by June 4 is and ales our Aprochy rejection - In omenic propertion him i met wenter with their townech - \$7 9 h, can are I ging menter and demy stopming System The Depetho plan is mothing more this the rolating propries in I lute white of much membrane, the could to good I satisfically - Take upon a pres of remish sofus of hot inter (at boiling) 2 at 6's 8 only of minute aid, the

sensation. Though cleanly in other respects he frequently distances his frees out his clothers. The sevisation for friduced by stimula-try the arms; but disappeared & som after. The muchos membane is concessed needsay forthe process of deglutition. If the mucous men of the vestplagues be destroyed cannot go a. I metwith a who through mistake trank at Mutinif corbinate of Jolash what The mucous mem evas distraged to it & he was unable & swallow Reins Lustained by flered found into the throat wheelver haver as often a very short time ejected. The level during the summer by suckeng anaterniclose. At me tema he was enobled for about a week intun to swallows med drinks, seeder milk: hother power continued for a day short time Chymification is carried on in the stomach. The chypan when examents is fruit tempist 1st fightful or 2 for fluid & funde emphis filres. I discovered this smelline ago & Inover Mis ellubler agrees with me. The Chyme is always acid, Gmelin & Tudeman prestant that it requires 30g of hile translage 2 of Ayme . Its chemical comfortion has not her determined outhout it we count and intant the process by which is from Toper as isa known , At wrists of 1th albumen to Cascine 30 ormagone & Daleine. Easens was found in the obmach for dog which had taken no milk a must therefore he a produce of chamification - Omaz ome was found a the obmach fatorse

Through four dyspepties can a way of ful ofteresting Hyu fut a five of must er i biled ey a their A will be with & Agne - Begelette from homeron es, no then arter upon of hum you and colorer reget to take place smity The formaces at sacchara methor, That the doline af mor enplace then to Bearmost suffer who outprish is muly tack by limbly thousand mullow - Anting to copy Him, what what him in fluids ar french with sales Tely 23. Pepsin is Justaly seemt of the tubules which exply with andre of the streath ... Toplible metter a commente with stomach from the int degan a wayour fronthe Navige with small enlesting in diables the starge for met take place, Abougu as about unhange & must lemented . It though from twee turier I felule inclement

Thomas or diversified aliment may be it can be reduced to there kunds 1 Daccharine, embrueny starch & grem 2 oleaginas 3° albreminaus, All atiment ionsessof organic matter of the defen ent ofeces wary why with number of elements entering at their emposition. The sace having wants velragen which enters out the conforten 1the albumirous. Vegetable albumen antoins all The clements which enter into the promposition of animal allement + canbe early constit intit. The principal comfounts chapme is albumen, & the end of chymification is 1st from principles a white of albumen 2 to convent the substant Substant into it. The most digertible for is that which is mortens sily emverted int altumen. The vitellus of an egg is a encentrated solution of albumen, with some vil & sallne matter. This is placed arth desposal of the entry , which is ministed from it without any degestion. Wilk which is intended for the despirit of young animals befor they are capable of dejecting common food, is an exitone of allalin ments! As contains altremen, & Saccharine & sleeginns matter. As a general rule, Those subplaners are the most eary of dejection which most nearly resemble the vitelles of an ext in emposition. I me dubstances are any of solution, his difficult of degestion e. g. gelatin which is sufficed the metrition I dejertible & is gener prequently to consalescent persons. His ving

difficult of degestion - There are some substances which are digester with difficulty: but when digester are very nutrition, c. 5 pork & beef. Thatford should be selecte as is most suit able the necessaly of the person The fed. Firsms who labour hard require nutritions from whethis slowly dejected a believe that one of the chief causes of untemperance among the labouring clap, is their eating a meagre breakfast which does not contain duficieur stemelus to support the tody under the labour which they are obliged operfrom & they resent to ardintefinite If they would eat proke for breakfast they would notfeel the newpoly for this stimulus. Tercial Thereis of chymification have been advanced - the mechanical is at indomed. They are now red and & Three Fermentation of the Welenwal de consposition 2° Chemical solution 3° Catalysis or deemforten by contact. The fort bos heen altributed to no stylis fermentition of this term be uned on its Widet Accessor A maybapplied & theprocess. 20 Chennal solution Ipallanzano four that the food was degesto in the fluids of stomach without the contact of this organ. He thought that the gartine juice was always neletial - found that Arras mentral when the Homach was not exceled, the presence of from his ander the opposet corcumstances were acid- According



mena connects with degestion, when the stomach is excelled by the Just of for, a brigies or fellbles the gastre quice sozes our from the coat of the strack. Threeariss have been found in is vy - muriatee, acetee (reactie), & bulyne The muratee always exests in that is the aceter underfationfor cercumstances: * the butyric is reclefound, Broman Auys that the gastre piece is transformer & laster lekegum audulates with munation acid - " Jany 13 1 To Beaumout was of opinion that the gastric quice disorbed the front as an ared does a metal or ar albale No established that when the stomach is not exected bythe presence of frod not substances, it contains merely a neces fluid; but upm the introduction of fird an aced fluid is secreted. The found that the from was as easily dissolved not of the olimach as in it. To beste found that the muenes fluid produced no effect on the food. The then tred musiatie acid a found that it was incapable of distolory the fird: but by mening the two he formed a compound which was capabled dogesting ford. He went farther & discovered that the mucaus membane of the Stomach proceed the San effect as the mucas fluid . Thus it appears that the muenes men

of the Stmach contains some principle which dissolves in · an audulated water his the power of degesting from. The effect of natural agestin, we have seen, is tennest the ford into an alternismus fluid: the astificial digestive placed produces the same result. The following is the composition fit Muches membrane of the stomach is macerated in few times to weight of fluid formed of gho in of alluniation acid to Zij frater. Within the last year have applied this to the treatest of dyspepsia with advantage, develing the patient & take Muriatre acid gtt V in water Zij after dinner. In some cases Thea used an acidulated infusion of mucous membrane. The acid does not act the fort of a mue solvent of the day of the muens frinciple frif half of the acto be neutralized no precepitate whis place & yet the digestion for an of the fluid are destroyed The degestive is not improportion toto quantity of aced The acid undergoes mechange with in quantity or empore tim: Therefore it closes not combine withthe from the chyme is always acid I officers to act by presence . Ichwann Days That there are two kends of degestion: That pilsein & crague later albumen ar degester by a fluid empned of muchons membrane & acedulate notes: lut glatine, casence & glaten agree the presence of another principle. Seed combined

with saliva his the effect of digesting it. Looks ascertained that the acids of the stomach are not sufficient to degest storch When stands is taken into the stomach it is converted succes ively into gum & dugar. The artificial degestive pluis. fromes the same affect where mened with saliva, but nor without this addetion. There is another fact to be taken into consideration in the study of chymification. His well know that the stomache of many animals craquelate milk: this might be suffered the owing to the presence of acids: but Bergelius has shown that the Stomach after being will worked produces the Same effect. Mulk evegulated by the Stomach is soluble in water, that engulated by and is nither soluble in water novación. Artificial castre flued, though the aced he neutralized effet disastores milk : if however Whe briled it will be this property Late experiments by Tchream Kave confirmed there vadded Attom, The has discovered that the muc mem of a rulf's Stomach cragulates cow's milk perfectly but wmain; mild very imperfectly; that a child's stomach coagulatios the milk of a woman completely but northat ga cow. Moreover if the curs of em's mulk known with the ma: m: facult's Stomach beenfored the action of and whater to aler it is read ily como touts chyme but if a chelos m: m be dulatituto the action is very imperfect. The contrary takes place with regard with and of soman's milk. It has been attempt by of chevann to isolate the congrelating principle. He found that the dolution of the fluid was not precipitated by alkalies: that it was precipitates by acetale of lead + the James of degestion last: but that it was again restrict ly a current of hydrosulphuric acid Tannen, briling & action of aleshol destroy its proporties The Jollowing conclusions are Frank from what hasheen In there exists in the mo: m of the stomach a peculiar principle, which evagulates milk air efacultal to digestion, but is not alone dufficient to acomplish it) I That the gastric flued consests of this placed principle & yellute muriatic acid 3' That the principle is orluble in the dervity secretal, the Homach Labor in accombates water 4th That it is incapable facemaplishing degestion chymiquetian 5th That It acids do not enter is the composition of chymn but merely act by presence 6" That the gastrie fleted is not the same in all animal, but varies according the food upmorbied they live y to that in man then are probably two kinds of digestion x

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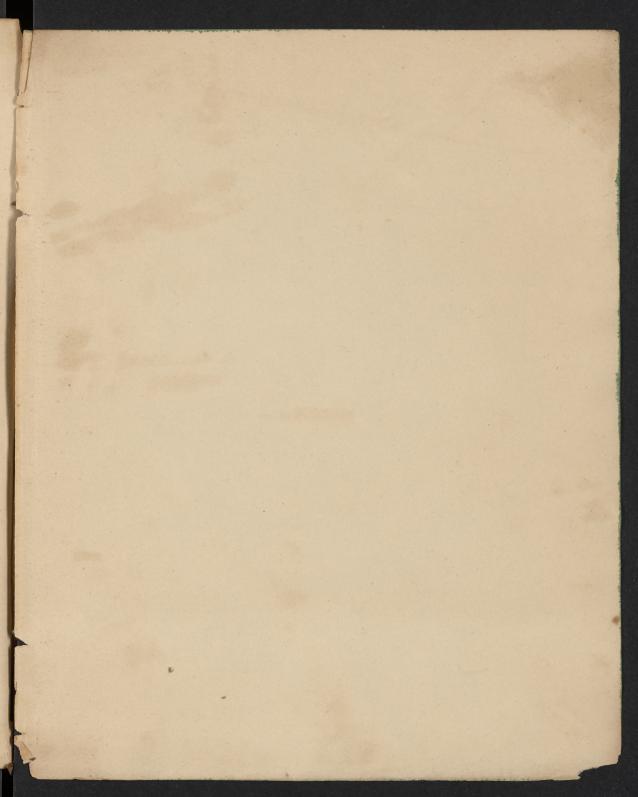
two digestive principles. Lookes that me is contained in the daler any pine. 8 That the gastrie is not aspecific decretion; but a doletin Apoplein in an accombates placed at that an artificial digestion fluid can be formed of maurating m: m; fotomach in acidulates water From these facts dans of opinion that the theory of Orbiten must be abandoned the process of dejestion be reduced & the Thos Theries of Formenlation & catal. yeis. It is by no means importable that the process is a speiss of Jermentation & that pepsin acts as a ferment. Wither thing is that of cataly dis or action by presence It is a well established fact in chemistry that certain lod is by their presence fromthe changes which & nor affect them I this there are many examples! How as the action of platemen in producing a combination Jongger a hydro gen. The action of sulphuric aced in converting legion Successively into storch, gread & dugar, the acid itself nor being demenstro or allered in the slightear degree the action of their acid with formation of ethors the presence of Jehrin Juducery decomposition of binoxed of hydrogen His probable that the from received; with stomach is convertes by the action presence of acids at albremenous &

It other elements of chyme The action of chymification of the to be referred to Jument. ation for catalysis -Jang 14 4t 18340 It has been favourite theory with many that nevers power, electric o galvance currents have a direct influ once in chymification. It was stated that of the 8th jair of nevres was divided dy estim was emme chalely arrest ed. Welom Phelip found that the process of degestion went on when the news were divided & a galvanie current established along the lover justion. These infiniments have been refeated eighty organity times: but with Ruch various results that no defaulte emclusions con be drawn from them. I'me say that degestion goes on after the devision of the para vaga suttent theair of golvanism, others that it does not go an until a current is established, I other still, that it will not proceed although thotatter means seesed to froming We have been that chamfreation takes place not of the stomach, altho' no electricity be applied i theigh It is not executeal, hi has a moreover seem that the present fa free acid is necessary. Muller assert, that when The nerves have been divided, the quantity facile socreta

4 a As 4

is very minute: The shack of the peralen is forbably a duf Buskingi has remarked that the acureus figalione through the stomach liberales the aced, a it is probable ther The nevous influence produces the same effect. Thereopen. ments authorises of many hypotheses withregard other letin between nervous action & galvanism The next function of the m: m falimentary canal, that comes under our notice is they dification - the effectionduesd upon the chapme in the small entisteener. He Chapme passes by which it is converted into fluid from which chiple is eleborated by the lactuals. The nature of the fluid decretes by the described of the decretes by the decrete of the decretes by the decrete of the decre intestines is so established I its modus ferandi fering not known, Bisides the Secretions for the interlines then issues aflus from the panercas & live. Tedeman & Gonelen went ut ascerestigation of the Then omena, Fusting all treed & mentain the nature of the intertion for the object they pund many animals after fasting & found the whitener coals with Leen. When feltles expepper comes were extradiend into the Itemanh, they found a quantity of the wells a whay muches fluts. It seems therefore that the hole is nor thoman at the intestine unless there is an invitation of Jame kind. On examining horses & dogs they from 1200 free and the opport of the wheather; at townsportion instead of an aced they found be arbonate of Arda De Wolumn 25

Hulle Smiter agen rappores colon



In Mylanta Ble The perstrum the drawing then of of to fin , put byen whenthe given A plans Re Quin Such a ving 3 3 3 My Lup 481 m Semillarly onter the sor wine in 50 of with remotion It depoles the come of pulse physical physical In I I have fortilled a conjunction later the the it has allowed to the report to Claim the att plan shout sty their and the contract the fulling through , And you ted on today to francis from the first

